

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI  
FACULTATEA DE INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ  
DEPARTAMENTUL DE MĂSURĂRI ELECTRICE ȘI MATERIALE ELECTROTEHNICE  
Ramura de știință: INGINERIE ELECTRICĂ, ELECTRONICĂ ȘI TELECOMUNICAȚII  
Domeniul de studii: INGINERIE ELECTRICĂ

**FIȘA DE VERIFICARE**  
**a îndeplinirii standardelor minime naționale pentru postul de profesor universitar**

Candidat: **Arădoaei Mihaela** / Data nașterii: **07.11.1978**, Funcția actuală: **Conferențiar**, Data numirii în funcția actuală: **09 februarie 2024**

**Data: 18.11.2025**

**Conf.dr.ing. ARĂDOAEI MIHAELA**



Tabel 1: Conditii minimale / punctaje obținute (în conformitate cu Domeniul CNATDCU)

| Nr.crt. | Domeniul de activitate                                 | Condiții profesor  | Punctaj obținut |
|---------|--------------------------------------------------------|--------------------|-----------------|
| 1       | Activitatea didactică/profesională (A <sub>1</sub> )   | Minimum 120 puncte | 172,81          |
| 2       | Activitatea de cercetare (A <sub>2</sub> )             | Minimum 360 puncte | 913,48          |
| 3       | Recunoașterea impactului activității (A <sub>3</sub> ) | Minimum 120 puncte | 356,79          |
| TOTAL   |                                                        | Minimum 600 puncte | 1.443,08        |

Tabelul 2. Centralizator privind îndeplinirii cerințelor standardului minimal național pentru postul de profesor universitar

| Nr. crt. | Cerințe                                                                                                                                                                 | Valoare minimă                         | Realizat                                |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------|
| 1        | Cărți și capitole în cărți de specialitate - Cărți cu ISBN/capitole ca autor                                                                                            | 4                                      | 4                                       |
|          | Suport didactic - Suport de curs inclusiv electronic                                                                                                                    | 2<br>prim autor – 1                    | 3<br>prim autor – 2                     |
|          | Suport didactic - Îndrumar de laborator/aplicații                                                                                                                       | 2<br>prim autor – 1                    | 2<br>prim autor – 1                     |
| 2        | Articole în extenso în reviste cotate WOS Thomson-Reuters <sup>1</sup> , în volume proceedings indexate WOS Thomson-Reuters și brevete de invenție indexate WOS Derwent | 10<br>prim autor – 4<br>în reviste – 4 | 39<br>prim autor – 6<br>în reviste – 32 |
|          | Articole în revistele și în volumele unor manifestări științifice indexate în alte baze de date internaționale BDI                                                      | 20<br>în reviste – 5                   | 28<br>în reviste – 6                    |
|          | Brevete de invenție indexate în alte baze de date                                                                                                                       | -                                      | 1                                       |
|          | Granturi/proiecte câștigate prin competiție națională/internațională - Director proiect                                                                                 | 2                                      | 2                                       |
|          | Granturi/proiecte câștigate prin competiție națională/internațională - Membru în echipa de proiect                                                                      | -                                      | 9                                       |
|          | Contracte de cercetare/consultanță - Director proiect                                                                                                                   | -                                      | 3                                       |
| 3        | Contracte de cercetare/consultanță - Membru în echipa de proiect                                                                                                        | -                                      | 7                                       |
|          | Citări în reviste WOS și volumele conferințelor WOS                                                                                                                     | 10                                     | 111                                     |
|          | Citări în reviste BDI și volumele conferințelor BDI                                                                                                                     | 20                                     | 30                                      |
|          | Membru colective de redacție, organizator manifestări științifice, recenzor                                                                                             | -                                      | 28                                      |
|          | Referent în comisii de doctorat                                                                                                                                         | -                                      | 2                                       |
|          | Premii naționale                                                                                                                                                        | -                                      | 5                                       |
|          | Membru în asociații profesionale                                                                                                                                        | -                                      | 2                                       |
|          | <b>Total puncte Activitatea didactică/profesională (A1)</b>                                                                                                             | <b>120</b>                             | <b>172,81</b>                           |
|          | <b>Total puncte Activitatea de cercetare (A2)</b>                                                                                                                       | <b>360</b>                             | <b>913,48</b>                           |
|          | <b>Total puncte Recunoașterea impactului activității (A3)</b>                                                                                                           | <b>120</b>                             | <b>356,79</b>                           |
|          | <b>Total A1+A2+A3</b>                                                                                                                                                   | <b>600</b>                             | <b>1.443,08</b>                         |

Tabelul 3. Comisia de **inginerie electrică** - standarde minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior și a gradelor profesionale de cercetare-dezvoltare

| Nr. crt.                                                                                                                                  | Domeniul activităților                               | Tipul activităților                                                                                                                                                                                                         | Categorii și restricții                                                                                                                                                                                                                                | Subcategorii                                                                                                                                                                                                                        | Indicatori (k <sub>pi</sub> )                                                                                                                                |                            |
|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| 0                                                                                                                                         | 1                                                    | 2                                                                                                                                                                                                                           | 3                                                                                                                                                                                                                                                      | 4                                                                                                                                                                                                                                   | 5                                                                                                                                                            |                            |
| 1                                                                                                                                         | Activitatea didactică/profesională (A <sub>1</sub> ) | 1.1 Cărți și capitole în cărți de specialitate                                                                                                                                                                              | 1.1.1 Cărți cu ISBN/capitole ca autor:<br><br>Profesor minim 4                                                                                                                                                                                         | 1.1.1.1 internaționale                                                                                                                                                                                                              |                                                                                                                                                              |                            |
|                                                                                                                                           |                                                      |                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                        | 1.1.1.2 naționale - 4                                                                                                                                                                                                               | nr. pagini/(5*nr. autori)                                                                                                                                    |                            |
|                                                                                                                                           |                                                      |                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                        | 1. <b>Mihaela Aradoaei</b> , Ciobanu Cristian Romeo, Sebastian Teodor Aradoaei, <b>Caracterizarea biocompozitelor reciclate cu destinația electrotehnică</b> , Editura PIM, Iași, 2019, ISBN 978-606-13-5040-7, <b>192 pagini</b> . | 192/(5x3)= <b>12,80</b>                                                                                                                                      |                            |
|                                                                                                                                           |                                                      |                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                        | 2. Aradoaei Sebastian Teodor, <b>Mihaela Aradoaei</b> , <b>Tehnologii inovative de reciclare și biocompozitare a materialelor din plastic și biomasă</b> , Editura PIM, Iasi, 2023, ISBN 978-606-13-7816-6, <b>323 pagini</b> .     | 323/(5x2)= <b>32,30</b>                                                                                                                                      |                            |
|                                                                                                                                           |                                                      |                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                        | 3. Aradoaei Sebastian Teodor, <b>Mihaela Aradoaei</b> , <b>Realizarea biocompozitelor din materiale plastice și biomasă</b> , Editura PIM, Iasi, 2023, ISBN 978-606-13-7817-3, <b>199 pagini</b> .                                  | 199/(5x2)= <b>19,9</b>                                                                                                                                       |                            |
|                                                                                                                                           |                                                      |                                                                                                                                                                                                                             | 4. <b>Mihaela Aradoaei</b> , Romeo Cristian Ciobanu, <b>Integrarea sistemelor hardware în clădiri inteligente din punct de vedere energetic</b> , Editura PIM, Iasi, 2025, ISBN 978-606-13-9514-9, <b>618 pagini</b> .                                 | 618/(5x2)= <b>61,8</b>                                                                                                                                                                                                              |                                                                                                                                                              |                            |
|                                                                                                                                           |                                                      |                                                                                                                                                                                                                             | 1.1.2 Cărți/capitole de cărți ca editor/coordonator                                                                                                                                                                                                    | 1.1.2.1 internaționale                                                                                                                                                                                                              |                                                                                                                                                              |                            |
|                                                                                                                                           |                                                      |                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                        | 1.1.2.2 naționale                                                                                                                                                                                                                   |                                                                                                                                                              |                            |
|                                                                                                                                           |                                                      |                                                                                                                                                                                                                             | 1.2 Suport didactic                                                                                                                                                                                                                                    | 1.2.1 Suport de curs inclusiv electronic:<br><br>Profesor minimum 2; din care 1 ca prim autor                                                                                                                                       | Suport curs - 3                                                                                                                                              | nr. pagini/(10*nr. autori) |
|                                                                                                                                           |                                                      |                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                     | 1. Romeo Cristian Ciobanu, <b>Mihaela Aradoaei</b> , <b>Elemente de Electrochimie</b> , Editura PIM, Iași, 2023, ISBN 978-606-13-7819-7, <b>232 pagini</b> . | 232/(10*2)= <b>11,6</b>    |
|                                                                                                                                           |                                                      | 2. <b>Mihaela Aradoaei</b> , Defectoscopie și diagnoză-suport de curs, format electronic la <a href="https://edu.tuiasi.ro/course/view.php?id=3600">https://edu.tuiasi.ro/course/view.php?id=3600</a> - <b>197 pagini</b> . |                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                     | 197/(10*1)= <b>19,70</b>                                                                                                                                     |                            |
|                                                                                                                                           |                                                      | 3. <b>Mihaela Aradoaei</b> , Cristina Mihaela Schreiner, Romeo Cristian Ciobanu, <b>Noțiuni de calitate și fiabilitate în ingineria electrică</b> , Editura PIM, Iași, 2025, ISBN 978-606-13-9513-2, <b>170 pagini</b>      |                                                                                                                                                                                                                                                        | 170/(10*3)= <b>5,66</b>                                                                                                                                                                                                             |                                                                                                                                                              |                            |
|                                                                                                                                           |                                                      | 1.2.2 Îndrumare de laborator/aplicații:<br><br>Profesor minimum 2 din care 1 ca prim autor                                                                                                                                  |                                                                                                                                                                                                                                                        | Îndrumare de laborator - 1                                                                                                                                                                                                          | nr. pagini/(20*nr. autori)                                                                                                                                   |                            |
|                                                                                                                                           |                                                      |                                                                                                                                                                                                                             | 1. <b>Mihaela Aradoaei</b> , Romeo Cristian Ciobanu, <b>Chimie - Elemente de electrochimie – Îndrumar de laborator, Teste și Probleme</b> , Editura PIM, Iași, 2023, ISBN 978-606-13-7818-0, <b>221 pagini</b> .                                       | 221/(20*2)= <b>5,52</b>                                                                                                                                                                                                             |                                                                                                                                                              |                            |
|                                                                                                                                           |                                                      |                                                                                                                                                                                                                             | 2. Romeo Cristian Ciobanu, Cristina Mihaela Schreiner, <b>Mihaela Aradoaei</b> , <b>Calitate Fezabilitate Fiabilitate Mentenanță- Aplicații practice în ingineria electrică</b> , Editura PIM, Iași, 2025, ISBN 978-606-13-9512-5, <b>212 pagini</b> . | 212/(20*3)= <b>3,53</b>                                                                                                                                                                                                             |                                                                                                                                                              |                            |
| 1.3 Coordonare de programe de studii, organizare și coordonare programe de formare continuă și proiecte educaționale (POS, ERASMUS, s.a.) | Punctaj unic pentru fiecare activitate               |                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                     |                                                                                                                                                              |                            |
| TOTAL Puncte Activitatea didactică/profesională (A1)                                                                                      |                                                      |                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                     | 172,81                                                                                                                                                       |                            |



|   |                                            |                                                                                                                                                                               |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                     |
|---|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| 2 | Activitatea de cercetare (A <sub>2</sub> ) | 2.1 Articole în extenso în reviste cotate WOS Thomson-Reuters <sup>(1)</sup> , în volume proceedings indexate WOS Thomson-Reuters și brevete de invenție indexate WOS-Derwent | 2.1.2 Profesor: minimum 10 articole din care minimum 4 ca prim autor și minimum 4 în reviste | Articole în reviste și proceedings indexate WOS - 39 articole din care 6 articole ca prim autor și 32 articole în reviste                                                                                                                                                                                                                                                                                                                                                                          | (25+20*factor impact <sup>(2)</sup> )/nr. de autori |
|   |                                            |                                                                                                                                                                               |                                                                                              | 1. <b>Mihaela Aradoaei</b> , Alina Ruxandra Caramitu, Magdalena Lungu, George Ursan, Romeo Cristian Ciobanu, Magdalena Aflori and Andrian Parfeni, <i>Thermoplastic Recycling of WEEE Carcasses with the Incorporation of Talc, Fly Ash, and Elastomers for Composites with Electromagnetic Interference Shielding Characteristics for Electric Car Components</i> , <b>Polymers Journal 2025</b> , Volume 17, Issue 17, 2394, DOI:10.3390/polym17172394, WOS:001569728100001                      | (25+20*4,9)/7=17,57                                 |
|   |                                            |                                                                                                                                                                               |                                                                                              | 2. <b>Mihaela Aradoaei</b> , Romeo Cristian Ciobanu, Cristina Mihaela Schreiner, Gheorghe Grigoras, and Razvan Petru Livadariu, <i>BENEFIT: An Energy Management Platform for Smart and Energy Efficient Buildings</i> , <b>Energies Journal 2025</b> , Volume 18, Issue 17, 4542, DOI:10.3390/en18174542, WOS:001569696500001                                                                                                                                                                     | (25+20*3,2)/5=17,8                                  |
|   |                                            |                                                                                                                                                                               |                                                                                              | 3. Romeo Cristian Ciobanu, Magdalena Aflori, Cristina Mihaela Schreiner, <b>Mihaela Aradoaei</b> and Dorel Bunciuanu, <i>Silicone Composites with Electrically Oriented Boron Nitride Platelets and Carbon Microfibers for Thermal Management of Electronics</i> , <b>Polymers Journal 2025</b> , Volume 17, Issue 2, 204, DOI:10.3390/polym17020204, WOS:001403883400001                                                                                                                          | (25+20*4,9)/5=24,6                                  |
|   |                                            |                                                                                                                                                                               |                                                                                              | 4. Alina Ruxandra Caramitu, Magdalena Valentina Lungu, Romeo Cristian Ciobanu, Ioana Ion, Eduard Marius Lungulescu, Gabriela Beatrice Sbarcea, Virgil Emanuel Marinescu, Sebastian Teodor Aradoaei, <b>Mihaela Aradoaei</b> , Raducu Machidon, <i>Composites from Recycled HDPE and ZnO Nanopowder with Improved Insulation and Weathering Features for Cable Jacketing Applications</i> , <b>Polymers Journal 2025</b> , Volume 17, Issue 14, 204, DOI:10.3390/polym17141987, WOS:001539796900001 | (25+20*4,9)/10=12,3                                 |
|   |                                            |                                                                                                                                                                               |                                                                                              | 5. Alexandru Florentin Trandabat, Romeo Cristian Ciobanu, Oliver Daniel Schreiner, <b>Mihaela Aradoaei</b> and Sebastian Teodor Aradoaei, <i>Manufacturing of TiO<sub>2</sub>, Al<sub>2</sub>O<sub>3</sub> and Y<sub>2</sub>O<sub>3</sub> Ceramic Nanotubes for Application as Electrodes for Printable Electrochemical Sensors</i> , <b>Crystals Journal 2024</b> , Volume 14, Issue 5, 454, DOI:10.3390/cryst14050454, WOS:001233493200001                                                       | (25+20*2,4)/5=14,60                                 |
|   |                                            |                                                                                                                                                                               |                                                                                              | 6. Romeo Cristian Ciobanu, <b>Mihaela Aradoaei</b> , Alina Ruxandra Caramitu, Magdalena Valentina Lungu, Oliver Daniel Schreiner and Ioana Ion, <i>Composite Paints with High Content of Metallic Microparticles for Electromagnetic Shielding Purposes</i> , <b>Coatings Journal 2024</b> , Volume 14, Issue 7, 874, DOI:10.3390/coatings14070874, WOS:001276490800001                                                                                                                            | (25+20*2,8)/6=13,50                                 |
|   |                                            |                                                                                                                                                                               |                                                                                              | 7. Alina Ruxandra Caramitu, Romeo Cristian Ciobanu, <b>Mihaela Aradoaei</b> , Magdalena Valentina Lungu, Nicoleta Oana Nicula and Eduard Marius Lungulescu, <i>Endurance to Multiple Factors of Water-Based Electrically Conductive Paints with Metallic Microparticles</i> , <b>Coatings Journal 2024</b> , Volume 14, Issue 8, 1016, DOI:10.3390/coatings14081016, WOS:001305853800001                                                                                                           | (25+20*2,8)/6=13,50                                 |
|   |                                            |                                                                                                                                                                               |                                                                                              | 8. Romeo Cristian Ciobanu, Cristina Schreiner, Alina Ruxandra Caramitu, Sebastian Teodor Aradoaei, <b>Mihaela Aradoaei</b> , <i>Sustainability of the Technology for Obtaining Thermoplastic Building Materials from Non-Recyclable Mixed Plastic-Paper Packaging Waste</i> , <b>Sustainability Journal 2024</b> , Volume 16, Issue 8, 3430, DOI:10.3390/su16083430, WOS:001210274700001                                                                                                           | (25+20*3,3)/5=18,20                                 |
|   |                                            |                                                                                                                                                                               |                                                                                              | 9. Romeo Cristian Ciobanu and <b>Mihaela Aradoaei</b> , <i>Techniques and Instruments for Assessing and Reducing Risk of Exposure to Nanomaterials in Construction, Focusing on Fire-Resistant Insulation Panels Containing Nanoclay</i> , <b>Nanomaterials Journal 2024</b> , Volume 14, Issue 18, 1470, DOI:10.3390/nano14181470, WOS:001324002200001                                                                                                                                            | (25+20*4,3)/2=55,50                                 |
|   |                                            |                                                                                                                                                                               |                                                                                              | 10. Romeo Cristian Ciobanu, <b>Mihaela Aradoaei</b> and Cristina Schreiner, <i>Technology for Obtaining Sintered Components with Tailored Electromagnetic Features by Selective Recycling of Printed Circuit Boards</i> , <b>Crystals Journal 2024</b> , Volume 14, Issue 9, 820, DOI: 10.3390/cryst14090820, WOS: 001323873700001                                                                                                                                                                 | (25+20*2,4)/3=24,33                                 |
|   |                                            |                                                                                                                                                                               |                                                                                              | 11. Alina Ruxandra Caramitu, Magdalena Valentina Lungu, Romeo Cristian Ciobanu, <b>Mihaela Aradoaei</b> , Eduard Marius Lungulescu and Virgil Marinescu, <i>Comparative Analysis of Dielectric Behavior under Temperature and UV Radiation Exposure of Insulating Paints for Electrical Equipment Protection—The Necessity of a New Standard?</i> , <b>Coatings Journal 2024</b> , Volume 14, Issue 9, 1194, DOI:10.3390/coatings14091194, WOS:001323312500001                                     | (25+20*2,8)/6=13,50                                 |



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| 12. Alina Ruxandra Caramitu, Ioana Ion, Mihai Marin, Adriana Mariana Bors, Cristian Romeo Ciobanu, Cristina Schreiner, <b>Mihaela Aradoaei</b> , <i>Characterization of Some Functional Polymeric Composites in a Synergistic Regime of Protection at Electromagnetic Shielding and Electrostatic Transfer</i> , <b>Revista Materiale Plactice</b> , 2024, Volumul: 61, nr. 2, page 75-89, DOI:10.37358/MP.24.2.5720, WOS:001266770600006   | (25+20*0,7)/7=5,57  |
| 13. Alina Ruxandra Caramitu, Cristian Romeo Ciobanu, Lungu Marinela Valentina, Lungulescu Eduard Marius, Cristina Schreiner, <b>Mihaela Aradoaei</b> , Adriana Mariana Bors, Rusu Traian, <i>Polymeric Protective Films as Anticorrosive Coatings-Environmental Evaluation</i> , <b>Polymers Journal</b> 2024, Volumul: 16, Issue 15, 2192, DOI:10.3390/polym16152192, WOS:001286969000001                                                  | (25+20*4,9)/8=15,37 |
| 14. Sebastian Teodor Aradoaei, Alina Mirela Constantin, Lucian Alexandru Constantin, <b>Mihaela Aradoaei</b> , Romeo Cristian Ciobanu, <i>A Sustainability Study upon Manufacturing Thermoplastic Building Materials by Integrating Chicken Feather Fibers with Plastic Waste</i> , <b>Sustainability Journal</b> 2024, Volume 16, Issue 21, 9243, DOI:10.3390/su16219243, WOS:001352061000001                                              | (25+20*3,3)/5=18,20 |
| 15. Cristian Romeo Ciobanu, <b>Mihaela Aradoaei</b> , George Andrei Ursan, <i>Thermoplastic Composite Hot-Melt Adhesives with Metallic Nano-Particles for Reversible Bonding Techniques Utilizing Microwave Energy</i> , <b>Polymers Journal</b> 2024, Volumul: 16, Issue 24, 3496, DOI:10.3390/polym16243496, WOS:001383942600001                                                                                                          | (25+20*4,9)/3=41,00 |
| 16. <b>Mihaela Aradoaei</b> , Romeo C. Ciobanu, Cristina Schreiner, Andrei G. Ursan, Elena G. Hitruc, Magdalena Aflori, <i>Thermoplastic Electromagnetic Shielding Materials from the Integral Recycling of Waste from Electronic Equipment</i> , <b>Polymers Journal</b> 2023, Volume 15, Issue 19, 3859, DOI:10.3390/polym15193859, WOS:001083084200001                                                                                   | (25+20*4,9)/6=20,50 |
| 17. <b>Mihaela Aradoaei</b> , Andreea Maria Lucaci, Romeo Cristian Ciobanu, Cristina Schreiner, Bogdan George Rusu, Gabriela Elena Hitruc, Magdalena Aflori, Marius Paulet, Alina Ruxandra Caramitu, Adriana Mariana Bors, <i>Piezoelectric thin Film Composites with BaTiO<sub>3</sub> for Microelectronics</i> , <b>Revista de Materiale Plactice</b> 2023, vol.:60, Issue 4, page 10-130, DOI:10.37358/MP.23.4.5683, WOS:001143872900006 | (25+20*0,7)/10=3,90 |
| 18. <b>Mihaela Aradoaei</b> , Romeo C. Ciobanu, Cristina Schreiner, Marius Paulet, Alina R. Caramitu, Jana Pinte, <i>Three-Dimensional Printable Flexible Piezoelectric Composites with Energy Harvesting Features</i> , <b>Polymers Journal</b> 2023, Volume 15, Issue 11, 2548, DOI:10.3390/polym15112548, WOS:001006230400001                                                                                                            | (25+20*4,9)/7=17,57 |
| 19. Alina R. Caramitu, Romeo C. Ciobanu, Ioana Ion, Cristina M. Schreiner, <b>Mihaela Aradoaei</b> , Violeta Tsakiris, Jana Pinte, Virgil Marinescu, <i>Flexible Electromagnetic Shielding Nano-Composites Based on Silicon and NiFe<sub>2</sub>O<sub>4</sub> Powders</i> , <b>Polymers Journal</b> 2023, Volume 15, Issue 11, 2447, DOI:10.3390/polym15112447, WOS:001005724100001                                                         | (25+20*4,9)/8=15,37 |
| 20. Romeo C. Ciobanu, Radu F. Damian, Cristina M. Schreiner, <b>Mihaela Aradoaei</b> , Alexandru Sover, Askok M. Raichur, <i>Simulation of Dielectric Properties of Nanocomposites with Non-Uniform Filler Distribution</i> , <b>Polymers Journal</b> 2023, Volume 15, Issue 7, 1636, DOI: 10.3390/polym15071636, WOS:000970081800001                                                                                                       | (25+20*4,9)/6=20,50 |
| 21. Romeo C. Ciobanu, <b>Mihaela Aradoaei</b> , Alina R. Caramitu, Ioana Ion, Cristina M. Schreiner, Violeta Tsakiris, Virgil Marinescu, Elena G. Hitruc, Magdalena Aflori, <i>Special Packaging Materials from Recycled PET and Metallic Nano-Powders</i> , <b>Polymers Journal</b> 2023, Volume 15, Issue 15, 3161, DOI:10.3390/polym15153161, WOS:001046370500001                                                                        | (25+20*4,9)/9=13,66 |
| 22. Epure Elena-Luiza, Cojocaru Florina Daniela, <b>Aradoaei Mihaela</b> , Ciobanu Romeo Cristian, Dodi Gianina, <i>Exploring the Surface Potential of Recycled Polyethylene Terephthalate Composite Supports on the Collagen Contamination Level</i> , <b>Polymers Journal</b> 2023, Volume 15, Issue 3, 776, DOI:10.3390/polym15030776, WOS:000933750300001                                                                               | (25+20*4,9)/5=26,60 |
| 23. Romeo C. Ciobanu, Cristina M. Schreiner, <b>Mihaela Aradoaei</b> , Gabriele E. Hitruc, Bogdan G. Rusu, Magdalena Aflori, <i>Characteristics of Composite Materials of the Type: TPU/PP/BaTiO<sub>3</sub> Powder for 3D Printing Applications</i> , <b>Polymers Journal</b> 2023, Volume 15, Issue 1, 73, DOI:10.3390/polym15010073, WOS: 000909131900001                                                                                | (25+20*4,9)/6=20,50 |

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| 24. Alina Ruxandra Caramitu, Ioana Ion, Adriana Mariana Bors, Cristian Romeo Ciobanu, Cristina Schreiner, <b>Mihaela Aradoaei</b> , Ana-Maria Daniela Caramitu, <i>Physico-chemical characterization of paint films with electromagnetic properties</i> , <b>Revista Materiale Plastice 2022</b> , Volumul: 59, nr. 2, page 9-23, DOI:10.37358/MP.22.2.5580, WOS:000831634900002                                                     | (25+20*0,7)/7=5,57  |
| 25. Gianina Dodi, Diana Popescu, Florina Daniela Cojocaru, <b>Mihaela Aradoaei</b> , Romeo Cristian Ciobanu, Cosmin Teodor Mihai, <i>Use of Fourier-Transform Infrared Spectroscopy for DNA Identification on Recycled PET Composite Substrate</i> , <b>Applied Science Journal 2022</b> , Volume 12, Issue 9, 4371, DOI:10.3390/app12094371, WOS:000795255500001                                                                    | (25+20*2,5)/6=12,50 |
| 26. Constantin Mirela Alina, Constantin Lucian Alexandru, Aradoaei Sebastian, <b>Aradoaei Mihaela</b> , Bratu Mihai, Vasile Ovidiu, <i>Acoustic Properties of a New Composite Material Obtained from Feather Flour and Recycled Polypropylene</i> , <b>Revista de Materiale Plastice 2022</b> , Volume 58, page 84-93, DOI:10.37358/MP.21.4.5534, WOS:000744132400004                                                                | (25+20*0,7)/6=6,50  |
| 27. Alexandru Sover, Vasile Ermolai, Ashok M. Raichur, Romeo Ciobanu, <b>Mihaela Aradoaei</b> , Nicolae Lucanu, <i>Feasibility of Producing Core-Shell Filaments through Fused Filament Fabrication</i> , <b>Polymers Journal 2021</b> , Volume 13, Issue 23, 4253, DOI:10.3390/polym13234253, WOS:000734564000001                                                                                                                   | (25+20*4,9)/6=20,50 |
| 28. Megha Sahu, Lakshmi Narasimhan, Ashok M. Raichur, Alexandru Sover, Romeo C. Ciobanu, Nicolae Lucanu, <b>Mihaela Aradoaei</b> , <i>Improving Fracture Toughness of Tetrafunctional Epoxy with Functionalized 2D Molybdenum Disulfide Nanosheets</i> , <b>Polymers Journal 2021</b> , Volume 13, Issue 24, 4440, DOI:10.3390/polym13244440, WOS:000737388000001                                                                    | (25+20*4,9)/7=17,57 |
| 29. Luiza Madalina Gradinaru, Mihaela Barbalata Mandru, Mioara Drobota, Magdalena Aflori, Maria Butnaru, Maria Spiridon, Florica Doroftei, <b>Mihaela Aradoaei</b> , Romeo Cristian Ciobanu, Stelian Vlad, <i>Composite Materials Based on Iron Oxide Nanoparticles and Polyurethane for Improving the Quality of MRI</i> , <b>Polymers Journal 2021</b> , Volume 13, Issue 24, 4316, DOI:10.3390/polym13244316, WOS:000737424800001 | (25+20*4,9)/10=12,3 |
| 30. V. Stancu, A. Galatanu, M. Enculescu, M. Onea, B. Popescu, P. Palade, <b>M. Aradoaei</b> , R. Ciobanu, L. Pintilie, <i>Influences of Dispersions' Shapes and Processing in Magnetic Field on Thermal Conductibility of PDMS-Fe<sub>3</sub>O<sub>4</sub> Composites</i> , <b>Materials Journal 2021</b> , Volume 14, Issue 13, 3696, DOI:10.3390/ma14133696, WOS:000671005800001                                                  | (25+20*3,2)/9=9,88  |
| 31. Alina Ruxandra Caramitu, Radu Dascalu, Ioana Ion, Violeta Tsakiris, Nicolae Stancu, <b>Mihaela Aradoaei</b> , Romeo Cristian Ciobanu, Adriana Mariana Bors, Iosif Lingvay, <i>Obtaining and Characterizing 3D Printable Polymer Based Composites with BaTiO<sub>3</sub> Filler</i> , <b>Revista de Materiale Plastice 2021</b> , Volume 58, Issue 1, page 11-18, DOI:10.37358/MP.21.1.5440, WOS:000637398100002                  | (25+20*0,7)/9=4,33  |
| 32. Sebastian Aradoaei, Vasile Bahrin, <b>Mihaela Aradoaei</b> , Constantin Mirela, Constantin Lucian, Ionescu Ioana, <i>Analysis of the Physical and Chemical Properties of Biocomposite Materials Obtained from Feather Flour and Polypropylene</i> , <b>Revista de Materiale Plastice 2020</b> , Volume 57, Issue 4, page 325-332, DOI:10.37358/MP.20.4.5432, WOS:000617344900031                                                 | (25+20*0,7)/6=6,50  |
| 33. Ursan George-Andrei, Plopa Olga, Contofan Cosmin, <b>Aradoaei Mihaela</b> , Ursan Maria, <i>Optical Evaluation Systems for Anisotropic Composite Materials Quality Assessment</i> , 12th International Conference And Exhibition On Electromechanical And Energy Systems, SIELMEN 2019, 10-11 Oct., Chişinău, WOS:000630287500041, (Proceedings WOS)                                                                             | 25/5=5              |
| 34. R.C. Ciobanu, G.A. Usan, <b>M. Aradoaei</b> , G. Batrinescu, A.R. Baci, <i>Specific Tests Concerning Microwave Sterilization Efficiency of Combined Plastic and Paper Waste</i> , 10th International Conference on electrical and power engineering, 18-20 Octombrie EPE 2018 - Iaşi, Romania, Page 1000-1003, WOS:000458752200196, (Proceedings WOS)                                                                            | 25/5=5              |
| 35. A.D. La Rosa, G.A. Usan, <b>M. Aradoaei</b> , M. Ursan, C. M. Schreiner, <i>Susceptor Assisted Microwave Processing of Polymers for Adhesive Production</i> , 10th International Conference on electrical and power engineering, 18-20 Octombrie EPE 2018 - Iaşi, Romania, Page 662-665, WOS:000458752200129, (Proceedings WOS)                                                                                                  | 25/5=5              |



|  |                                                                                                                                        |                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |
|--|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
|  |                                                                                                                                        |                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                        | 36. A.D. La Rosa, G.A. Usan, <b>M. Aradoaei</b> , M. Ursan, C. M. Schreiner, <i>Life Cycle Assessment of Microwave Activated Hot-Melt Adhesives</i> , 10th International Conference on electrical and power engineering, 18-20 Octombrie EPE 2018 - Iași, Romania, Page 658-661, WOS:000458752200128, (Proceedings WOS)                                                                                                         | 25/5=5           |
|  |                                                                                                                                        |                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                        | 37. R.C. Ciobanu, M.A. Olariu, G.A. Usan, <b>M. Aradoaei</b> , O. Plopa, <i>Modeling and Simulation of Nanoparticles Dispersion for the Realization of ACFs</i> , 1st International Symposium on Fundamentals of Electrical Engineering, University Politehnica of Bucharest, 1-3 November 2018, WOS:000480396400034, (Proceedings WOS)                                                                                         | 25/5=5           |
|  |                                                                                                                                        |                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                        | 38. <b>M. Aradoaei</b> , I. Pepenar, <i>Considerations on the Dielectric Properties and Thermal Profile of Geopolymeric Composites with Ferro / Ferrimagnetic Inserts</i> , 8th International Conference on electrical and power engineering, 16-18 Octombrie EPE 2014 - Iași, Romania, Page 891-896, WOS:000353565300166, (Proceedings WOS)                                                                                    | 25/2=12,5        |
|  |                                                                                                                                        |                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                        | 39. S.Aradoaei, R.Darie, <b>M. Mosneagu (casătorită Aradoaei)</b> , S.Ursache, <i>Technological analysis of materials derived from recycled PET and LDPE via dielectric spectroscopy method</i> , Proceedings of 7 <sup>th</sup> International Conference Management of Technological Changes, MTC 2011, 1-3 September, Alexandroupolis, Greece, vol.1, pp. 449-452, 2011, page 449-452, WOS:000306939900113, (Proceedings WOS) | 25/4=6,25        |
|  |                                                                                                                                        |                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                        | Total articole ISI                                                                                                                                                                                                                                                                                                                                                                                                              | 583,54           |
|  | 2.2 Articole în reviste și în volumele unor manifestări științifice indexate în alte baze de date internaționale (BDI <sup>(3)</sup> ) | 2.2.2 Profesor: minimum 20 articole din care minimum 5 în reviste | Articole în reviste și în volumele unor manifestări științifice indexate BDI - 28 din care 6 în reviste                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                 | 20/nr. de autori |
|  |                                                                                                                                        |                                                                   | 1. Angela Daniela La Rosa, Clara Valente, <b>Mihaela Aradoaei</b> , <i>Environmental, economic, and social life cycle assessment in the polymer composites sector</i> , The 13th IEEE International Conference and Exposition on Electrical and Power Engineering (EPEI 2024), 17-19 October 2024, Iasi, Romania, DOI:10.1109/EPEI63510.2024.10758166, indexat IEEE Xplore.                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                 | 20/3=6,66        |
|  |                                                                                                                                        |                                                                   | 2. Sebastian Teodor Aradoaei, Ciobanu Romeo, Mirela Popa, Alexandru Chirica, <b>Mihaela Aradoaei</b> , <i>Simulation Of Drying And Disinfection Technology Using Microwave Energy</i> , The 13th IEEE International Conference and Exposition on Electrical and Power Engineering (EPEI 2024), 17-19 October 2024, Iasi, Romania, DOI:10.1109/EPEI63510.2024.10758175, indexat IEEE Xplore.                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                 | 20/5=4           |
|  |                                                                                                                                        |                                                                   | 3. <b>Mihaela Aradoaei</b> , Sebastian Teodor Aradoaei, Alexandru Chirica, Denisa Nicoleta Iordachescu, <i>The Dielectric Characteristics of Thermoplastics Nanocomposite Materials with Ferrites</i> , The 13th IEEE International Conference and Exposition on Electrical and Power Engineering (EPEI 2024), 17-19 October 2024, Iasi, Romania, DOI:10.1109/EPEI63510.2024.10758181, indexat IEEE Xplore.                            |                                                                                                                                                                                                                                                                                                                                                                                                                                 | 20/4=5           |
|  |                                                                                                                                        |                                                                   | 4. Marius Paulet, <b>Mihaela Aradoaei</b> , Ciobanu Romeo, Monica Dumitrache, <i>Use Of The Labview Program To Process Specific Signals For Piezoelectric Sensors</i> , The 13th IEEE International Conference and Exposition on Electrical and Power Engineering (EPEI 2024), 17-19 October 2024, Iasi, Romania, DOI:10.1109/EPEI63510.2024.10758015, indexat IEEE Xplore.                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                 | 20/4=5           |
|  |                                                                                                                                        |                                                                   | 5. Oliver Schreiner, Alexandru Trandabat, <b>Mihaela Aradoaei</b> , Raducu Machidon, <i>Electrochemical Characteristics of Electrodes Based on Nanocarbon</i> , The 13th IEEE International Conference and Exposition on Electrical and Power Engineering (EPEI 2024), 17-19 October 2024, Iasi, Romania, DOI:10.1109/EPEI63510.2024.10758100, indexat IEEE Xplore.                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                 | 20/4=5           |
|  |                                                                                                                                        |                                                                   | 6. Oliver Schreiner, Alexandru Trandabat, <b>Mihaela Aradoaei</b> , Raducu Machidon, Constantin Vlad Chiriac <i>Electrochemical Sensor For Carbon Monoxide Testing Based On Carbon Nanofiber - Conductive Polymer Electrodes</i> , The 13th IEEE International Conference and Exposition on Electrical and Power Engineering (EPEI 2024), 17-19 October 2024, Iasi, Romania, DOI:10.1109/EPEI63510.2024.10758086, indexat IEEE Xplore. |                                                                                                                                                                                                                                                                                                                                                                                                                                 | 20/5=4           |

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| 7. Alexandru Trandabat, Oliver Schreiner, <b>Mihaela Aradoaei</b> , Constantin Vlad Chiriac, <i>Physico-Chemical Analysis of Electrodes Based on Nanocarbon</i> , The 13th IEEE International Conference and Exposition on Electrical and Power Engineering (EPEI 2024), 17-19 October 2024, Iasi, Romania, DOI:10.1109/EPEI63510.2024.10758082, indexat IEEE Xplore.                                                                                                                                     | 20/4=5    |
| 8. <b>Mihaela Aradoaei</b> , Oliver Schreiner, Andreea Maria Lucaci, Vlad Morosanu, Georgiana Patrascu, Adrian Saridache, Cristina Schreiner, Sebastian Teodor Aradoaei, <i>Testing the Interaction of Electromagnetic Radiation with Nano/Micro-Conductive Composite Material</i> , 2023 International Conference on Electromechanical and Energy Systems (SIEMEN), 11-03 October 2023, Chisinau, Moldova, DOI:10.1109/SIEMEN59038.2023.10290788, indexat IEEE Xplore.                                   | 20/8=2,5  |
| 9. <b>Mihaela Aradoaei</b> , Oliver Schreiner, Ionel Alexa, Alin Olteanu, Madalina Ancuta Pintilei, Romeo Cristian Ciobanu, Sebastian Teodor Aradoaei, <i>Simulating the Interaction of Electromagnetic Radiation with Matter, Within Nano/Micro-Conductive Composite</i> , 2023 International Conference on Electromechanical and Energy Systems (SIEMEN), 11-03 October 2023, Chisinau, Moldova, DOI:10.1109/SIEMEN59038.2023.10290731, indexat IEEE Xplore.                                            | 20/7=2,85 |
| 10. Dodi Gianina, Cojocar Florina-Daniela, Popescu Diana, <b>Aradoaei Mihaela</b> , Ciobanu Cristian Romeo, Mihai Cosmin Teodor, <i>Comparative Terahertz and ATR-FTIR Spectroscopy Assessment of Protein Based Contaminants on Recycled PET Composite Material</i> , AIP Conference Proceedings, Volume 2601, issue 1, June 2023, Article number 020026, DOI:10.1063/5.0130478, indexat Scopus.                                                                                                          | 20/6=3,33 |
| 11. <b>Mihaela Aradoaei</b> , Andreea Maria Lucaci, Sebastian Teodor Aradoaei, Cristina Mihaela Schreiner, Romeo Cristian Ciobanu, <i>Obtaining Nanocomposite Films With Predefined Thermal Conductivity, With Controlled Anisotropy</i> , 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), 20-22 Octombrie EPE 2022 - Iasi, DOI:10.1109/EPE56121.2022.9959825, indexat IEEE Xplore.                                                                               | 20/5=4    |
| 12. <b>Mihaela Aradoaei</b> , Andreea Maria Lucaci, Sebastian Teodor Aradoaei, Cristina Mihaela Schreiner, Maria Madalina Nastasache, <i>Composites with Nano Conductive Channels Architecture Uniformly Distributed Through the Thickness of the Material and Oriented in the Magnetic Field</i> , 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), 20-22 Octombrie EPE 2022 - Iasi, DOI:10.1109/EPE56121.2022.9959798, indexat IEEE Xplore.                      | 20/5=4    |
| 13. Alexandru Trandabat, Alexandru Arcire, Romeo Cristian Ciobanu, Olga Plopa, <b>Mihaela Aradoaei</b> , Alin Olteanu, Mosneagu Andrei Adriana Mona, <i>Design and modeling considerations for developing a millimolar Oxalic Acid detection sensor based on screen-printed carbon electrode and methylbenzenpirol</i> , 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), 20-22 Octombrie EPE 2022 - Iasi, DOI:10.1109/EPE56121.2022.9959778, indexat IEEE Xplore. | 20/7=2,85 |
| 14. Madalina Ancuta Pintilei, Ileana Ursu, Sebastian Pascu, Cristina Mihaela Schreiner, <b>Mihaela Aradoaei</b> , Alin Olteanu, <i>Compression Of Acquired Data In Order To Make Transmission And Processing More Efficient</i> , 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), 20-22 Octombrie EPE 2022 - Iasi, DOI:10.1109/EPE56121.2022.9959083, indexat IEEE Xplore.                                                                                        | 20/6=3,33 |
| 15. Ileana Ursu, Alin Olteanu, Vlad Morosanu, Cristina Mihaela Schreiner, <b>Mihaela Aradoaei</b> , <i>Technical Analysis Regarding The Implementation Of A Building Management System</i> , 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), 20-22 Octombrie EPE 2022 - Iasi, DOI:10.1109/EPE56121.2022.9959794, indexat IEEE Xplore.                                                                                                                             | 20/5=4    |
| 16. Davide Fabiani, Romeo Ciobanu, <b>Mihaela Aradoaei</b> , <i>Piezoelectric Nanofibrous Composite Materials for Energy and Electronic Applications</i> , 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), 20-22 Octombrie EPE 2022 - Iasi, DOI:10.1109/EPE56121.2022.9959737, indexat IEEE Xplore.                                                                                                                                                               | 20/3=6,66 |
| 17. Mona Andrei, <b>Mihaela Aradoaei</b> , Sebastian Mihail Pascu, Sebastian Teodor Aradoaei, <i>Modeling and simulation of electromagnetic absorption properties of nano-structured composites in the radio frequency/microwave range</i> , 2021 International Conference on Electromechanical and Energy Systems (SIEMEN), 06-08 October 2021, Iasi, Romania, Accession Number: 21438259, DOI:10.1109/SIEMEN53755.2021.9600270, indexat IEEE Xplore.                                                    | 20/4=5    |



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| 18. Mona Andrei, Andreea-Maria Lucaci, <b>Mihaela Aradoaei</b> , Sebastian Teodor Aradoaei, <i>Design of the nano / micro scale structure of nanostructured composites activable in the radio frequency/microwave range depending on the frequency of the electromagnetic field</i> , 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 06-08 October 2021, Iasi, Romania, Accession Number: 21438304, DOI:10.1109/SIELMEN53755.2021.9600282, indexat IEEE Xplore.                                                                                                                     | 20/4=5        |
| 19. L. Ungureanu, R.C. Ciobanu. C.M. Schreiner, <b>M. Aradoaei</b> , O. Plopa, M. Baibarac, <i>Flexible Piezo-Electric Composites for 3D-Printed Harvesters</i> , 11th International Conference on electrical and power engineering, 22-23 Octombrie EPE 2020 - Iași, Romania, DOI:10.1109/EPE50722.2020.9305569, indexat IEEE Xplore.                                                                                                                                                                                                                                                                                | 20/6=3,33     |
| 20. S.T. Aradoaei, V. Bahrin, <b>M. Aradoaei</b> , M.A. Constantin, L.A. Constantin, <i>Dielectric Spectroscopy Analysis of Composites Obtained from Thermoplastic with Feathers Flour</i> , 11th International Conference on electrical and power engineering, 22-23 Octombrie EPE 2020 - Iași, Romania, DOI:10.1109/EPE50722.2020.9305582, indexat IEEE Xplore.                                                                                                                                                                                                                                                     | 20/5=4        |
| 21. A. R. Caramitu, S. Mitrea, V. Marinescu, G. A. Ursan, <b>M. Arădoaei</b> , I. Lingvay, <i>Dielectric Behavior and Morphostructural Characteristics of some HDPE Composites / Metal Nanopowders</i> , <b>Revista de Materiale Plastice 2019</b> , vol.: 56, Issue 1, page 103-109, WOS:000464604100021, DOI:10.37358/MP.19.1.5132, indexat Scopus( <b>Revista</b> )                                                                                                                                                                                                                                                | 20/6=3,33     |
| 22. Gheorghe Batrinescu, Nicolae Ionut Cristea, Robert Valeriu Badescu, Romeo Cristian Ciobanu, George Andrei Ursan, Mihaela Aradoaei, <i>The Induced Impact on the Environment by Combined Plastic and Paper Waste before and after Recovery</i> , <b>Revista de Chimie, 2019</b> , Volume 70, Issue 12, page 4579-4583, DOI:10.37358/RC.19.12.7796, indexat Scopus ( <b>Revista</b> )                                                                                                                                                                                                                               | 20/6=3,33     |
| 23. A.R. Caramitu, V. Marinescu, S. Mitrea, <b>M. Arădoaei</b> , G.A. Ursan, <i>Dielectric and Morphostructural Characterization of some Types of Polypropylene Composites/Metalic Nanopowders</i> , <i>Electrotehnică, Electronică, Automatică</i> , (EEA), Volumul: 67, nr. 1, page 61-67, 2019, <a href="https://www.scopus.com/pages/publications/85063662811?origin=resultslist">https://www.scopus.com/pages/publications/85063662811?origin=resultslist</a> , indexat Scopus ( <b>Revista</b> )                                                                                                                | 20/5=4        |
| 24. Arădoaei S., Andrei M., Ciobanu R., <b>Mosneagu M. (casătorită Aradoaei)</b> , Bahrin V., <i>Modeling The Properties Of Bio-Composites Obtained From Plastic And Wood Waste For Building Applications</i> , 22nd IMEKO TC4 International Symposium and 20th International Workshop on ADC Modelling and Testing 2017: Supporting World Development Through Electrical and Electronic Measurements, 2017-September, pp. 504-507, <a href="https://www.scopus.com/pages/publications/85046411140?origin=resultslist">https://www.scopus.com/pages/publications/85046411140?origin=resultslist</a> , indexat Scopus. | 20/5=4        |
| 25. Aradoaei Sebastian Teodor, Ciobanu Romeo Cristian, Darie Raluca Nicoleta, <b>Mosneagu Mihaela (casătorită Aradoaei)</b> , <i>Innovative biocomposite derived from waste materials with applications in electrical domain</i> , Interdisciplinary research in engineering: steps towards breakthrough innovation for sustainable development, Book Series: Advanced Engineering Forum, Volume: 8-9 page 379-386, 2013, DOI:10.4028/www.scientific.net/AEF.8-9.379, WOS:000323184000043. ( <b>Revista</b> )                                                                                                         | 20/4=5        |
| 26. S.Aradoaei, R.Darie, C.Vasile, <b>M. Mosneagu (casătorită Aradoaei)</b> , M. Olariu, <i>Morphology and dielectric properties of some LDPE/PA blends in presence of compatibilizers</i> , <b>Solid State Phenomena</b> , Vol. 188, Advanced Materials and Structures, page 268-274, 2012, DOI:10.4028/www.scientific.net/SSP.188.268, WOS:000308047400045, indexat Scopus ( <b>Revista</b> )                                                                                                                                                                                                                       | 20/5=4        |
| 27. S. Aradoaei, <b>M. Mosneagu (casătorită Aradoaei)</b> , R. Darie, G.Constantinescu, <i>Development Of New Materials For Construction Sector Obtained From Renewable Resources</i> , enviBuild 2012 and Building Performance Simulation Conference 2012, <b>Advanced Materials Research</b> ; Brno, pp.231-235, 2012. DOI:10.4028/www.scientific.net/AMR.649.231, indexat Scopus, ( <b>Revista</b> ).                                                                                                                                                                                                              | 20/4=5        |
| 28. S. Arădoaei, R. Darie, <b>M. Mosneagu (casătorită Aradoaei)</b> , <i>Dielectric Investigations On Composite Materials Obtained From Waste Plastics</i> , Buletinul institutului politehnic din Iași, Publicat de Universitatea Tehnică „Gheorghe Asachi” din Iași, Tomul LVII (LXI), Fasc. 6, 2011, Secția Electrotehnică. Energetică. Electronică, indexat copernicus ( <b>Revista</b> )                                                                                                                                                                                                                         | 20/3=6,66     |
| <b>Total articole BDI</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>120,83</b> |
| 2.3.1 internaționale                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |

2.3 Brevete de invenție

2.3.1 internaționale

|                                                                                         |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                     |                       |
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| indexate în alte baze de date                                                           |                                                                       | 2.3.2 Brevet de invenție nr. 135946/2022 cu titlul " <i>Procedeu de evaluare a contaminării cu biomolecule a suporturilor pe bază de polierilen tereftalat reciclat</i> ", inventatori: Dodi Gianina, Cojocaru Florina Daniela, Popescu Diana, Mihaai Cosmin Teodor, <b>Mihaela Arădoaei</b> , Romeo Cristian Ciobanu                                                                                               | 15/6=2,5              |
|                                                                                         |                                                                       | <b>Total brevete</b>                                                                                                                                                                                                                                                                                                                                                                                                | <b>2,5</b>            |
| 2.4 Granturi/proiecte câștigate prin competiție națională/internațională <sup>(4)</sup> | 2.4.1 Director/Responsabil proiect partener minimum 2 pentru Profesor | 2.4.1.1. internaționale - 2                                                                                                                                                                                                                                                                                                                                                                                         | 20*ani de desfășurare |
|                                                                                         |                                                                       | 1. <i>Tehnologia de fabricare a filmelor conductive anizotropice nanostructurate cu arhitectură adaptabile sub acțiunea câmpului electromagnetic, pentru aplicații electronice și biomedicale</i> - Contract de finanțare 19/2018, Program PN III - Cooperare Europeană și Internațională - Subprogram 3.2 - Orizont 2020, Tip Proiect - ERANET, COFUND-MANUNET III-AniConFilm-2, durată 24 luni, buget 388.270 lei | 20*2=40               |
|                                                                                         |                                                                       | 2. <i>NEEDS Repowered - Navigând în ape tulburi: Restructurarea orașelor în perioade de criză</i> - Contract de finanțare 127/2025, Contract de cercetare/finanțare tip COFUND, program 5.8. - Cooperare europeană și internațională, subprogram 5.8.1. - Orizont Europa, durată 35 luni, buget 1.000.000 lei                                                                                                       | 20*2,92=58,4          |
|                                                                                         |                                                                       | 2.4.1.2 naționale                                                                                                                                                                                                                                                                                                                                                                                                   |                       |
|                                                                                         |                                                                       | <b>Total director de proiect</b>                                                                                                                                                                                                                                                                                                                                                                                    | <b>98,40</b>          |
|                                                                                         | 2.4.2 Membru în echipă                                                | 2.4.2.1. internaționale - 4                                                                                                                                                                                                                                                                                                                                                                                         | 4*ani de desfășurare  |
|                                                                                         |                                                                       | 1. <i>Danube Wetlands and flood plains Restoration through systemic, community engaged and sustainable innovative actions</i> , DaWetRest, Contract nr. 101113015/2023, din cadrul HorizonEurope, finanțat prin CE HORIZON Action Grant Budget-Based, durata 36 luni, buget 88.062,50 euro                                                                                                                          | 4*3=12                |
|                                                                                         |                                                                       | 2. <i>Biosenzori bazati pe arhitecturi nanofluidice pentru detectia proteinelor umane (MINaFBioS)</i> , PN III - ERANET, MANUNET-III, Contract nr. 149/2020, durata 24 luni, buget 432.250 lei                                                                                                                                                                                                                      | 4*2=8                 |
|                                                                                         |                                                                       | 3. <i>Membrane nanoporoase pentru pseudolivrarea intratecala a medicamentelor (INTREPIDUS)</i> , PN III ERANET-EURONANOMED, Contract nr. 193/2020, durata 36 luni, buget 535.700 lei                                                                                                                                                                                                                                | 4*3=12                |
|                                                                                         |                                                                       | 4. <i>Dezvoltarea de bio-senzori prin intermediul unei tehnologii inovative de electroacoperire a structurilor carbonice cu polimeri activi, (CARBIOSENSE)</i> , Programul MANUNET ERANET, Contract nr. 7-038/13.05.2011, durata 33 luni, buget 381.282,62 lei                                                                                                                                                      | 4*2,75=11             |
|                                                                                         |                                                                       | <b>Total proiecte internationale</b>                                                                                                                                                                                                                                                                                                                                                                                | <b>43</b>             |
|                                                                                         |                                                                       | 2.4.2.2 naționale - 5                                                                                                                                                                                                                                                                                                                                                                                               | 2*ani de desfășurare  |
|                                                                                         |                                                                       | 1. <i>Grant pentru susținerea capacității de publicare</i> , grant intern GI/P10/2021, UTI Iasi, buget 45.000 lei                                                                                                                                                                                                                                                                                                   | 2*1=2                 |
|                                                                                         |                                                                       | 2. <i>Grant pentru idei de proiect</i> , grant intern GI/P1/2021_IDEI, UTI Iasi buget 40.000 lei                                                                                                                                                                                                                                                                                                                    | 2*1=2                 |
|                                                                                         |                                                                       | 3. <i>Sisteme software cu arhitecturi versatile de management al energiei și de optimizare a indicatorilor de performanță energetică a clădirilor inteligente, dezvoltate în cadrul clusterului euronest IT&amp;C HUB</i> , Programul Operațional Competitivitate, Contract nr. 70/221_ap2/14.08.2020, My SMIS 130052, durată 27 luni, buget 4.474.125 lei                                                          | 2*2,25=4,5            |
|                                                                                         |                                                                       | 4. <i>Cercetare-dezvoltare de materiale compozite inovative nanostructurate, activabile in camp de radiofrecventa si de microunde, pentru tehnologii reversibile de asamblare cu aplicatii intersectoriale</i> , Programul Operațional Competitivitate, Contract nr. 119/16.09.2016, ID P_37_757, My SMIS 104089, durată 48 luni, buget 11.140.371 lei                                                              | 2*4=8                 |
|                                                                                         |                                                                       | 5. <i>Realizarea inovativă de produse compozite termoplastice cu proprietăți superioare de ecranare electromagnetică prin reciclarea integrată a deșeurilor electronice, (RECEMAT)</i> , Programul Operațional Sectorial Creșterea Competitivității Economice, Axa Prioritară 2 – Competitivitate prin CDI, Contract nr. 460/03.04.2013, ID 1372/SMIS 41074, durată 26 luni, buget 3.498.500 lei                    | 2*2,16=4,32           |
|                                                                                         |                                                                       | <b>Total membru proiecte naționale</b>                                                                                                                                                                                                                                                                                                                                                                              | <b>20,82</b>          |
| 2.5 Contracte de                                                                        | 2.5.1                                                                 | 2.5.1 Director/Responsabil proiect partener - 3                                                                                                                                                                                                                                                                                                                                                                     | 5*ani de desfășurare  |



|                                                  |                                                                                |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                      |
|--------------------------------------------------|--------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
|                                                  | cercetare/consultanță<br>(valoare echivalentă de<br>minim 2000 Euro)           | Director/Responsabil<br>proiect partener | 1. Transfer de cunoștințe privind realizarea de noi metode de diagnosticare a panourilor din parcuri fotovoltaice, Programul Operațional Competitivitate, Contract subsidiar nr. 126/D10/2022, My SMIS 105567, durată 8 luni, buget 580.000 lei                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5*0,66=3,30                          |
|                                                  |                                                                                |                                          | 2. Analize Fizico-Chimice, Materiale Nanostructurate Si Dispozitive Pentru Aplicatii In Domeniul Farmaceutic Si Medical Din Romania – AMD-FARMA-MED-RO, Programul Operațional Competitivitate, Contract subsidiar nr. 62/13.04.2022, My SMIS 105725, durată 11 luni, buget 448.605 lei                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5*0,91=4,55                          |
|                                                  |                                                                                |                                          | 3. Dezvoltarea de materiale compozite ceramice geopolimerice, din deseuri industriale, cu proprietati superioare de ecranare electromagnetica si termica, pentru constructii speciale, Programul EUREKA-EUROSTARS- NEWCOMAT, Contract 316E/15.05.2012, durată 19 luni, buget 367.710 lei                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5*1,58=7,90                          |
|                                                  |                                                                                |                                          | Total director/responsabil proiect partener15,75                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                      |
|                                                  |                                                                                | 2.5.2 Membru în<br>echipă                | 2.5.2 Membru în echipă - 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2*ani de desfășurare                 |
|                                                  |                                                                                |                                          | 1. Mitigarea riscului pentru sănătatea publică privind contaminanții biochimici ai ambalajelor farmaceutice și alimentare reciclate printr-o nouă metodologie bazată pe analiza spectrală în domeniul THz (THzPET), PN-III-P2-2.1-657PED/2020, durată 18 luni, buget 250.000 lei                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2*1,50=3,00                          |
|                                                  |                                                                                |                                          | 2. Analize Fizico-Chimice, Materiale Nanostructurate Si Dispozitive Pentru Aplicatii In Domeniul Farmaceutic Si Medical Din Romania – AMD-FARMA-MED-RO, Programul Operațional Competitivitate, Contract subsidiar nr. 636/16.03.2020, My SMIS 105725, durată 15 luni, buget 630.199 lei                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2*1,25=2,50                          |
|                                                  |                                                                                |                                          | 3. Parteneriate pentru transfer de cunoștințe în domeniul materialelor polimere folosite în ingineria biomedicală, Programul Operațional Competitivitate, Contract subsidiar nr. 8733/05.12.2019 - 659/06.12.2019, My SMIS 105689, durată 32 luni, buget 900.000 lei                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2*2,66=5,32                          |
|                                                  |                                                                                |                                          | 4. Dispozitive flexibile și elastice printate 4D de captare a energiei piezoelectrice, bazate pe elastomeri inovativi elctro-adaptabili, 4DPrintEN, Proiect cod COFUND - ERANET MANUNET III, Contract de finantare nr. 96/01.06.2019, durată 24 luni, buget 468.100 lei                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2*2=4,00                             |
|                                                  |                                                                                |                                          | 5. Materiale multifunctionale inteligente pentru aplicatii de inalta tehnologie, Programul Operațional Competitivitate, Contract subsidiar nr. 370/20.02.2019, My SMIS 105726, durată 24 luni, buget 880.000 lei                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2*2=4,00                             |
|                                                  |                                                                                |                                          | 6. Reciclarea avansata integrata a deseurilor combinate inseparabile de mase plastice si hartie, nereciclabile prin tehnologiile actuale, Programul Operațional Competitivitate, Contract subsidiar nr. 366/11.09.2017 - 15351/13.09.2017, My SMIS 105581, durată 24 luni, buget 900.000 lei                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2*2=4,00                             |
|                                                  |                                                                                |                                          | 7. Dezvoltarea de panouri compozite izolatoare pe bază de deșeuri de fulgi/pene, pulbere de lemn și plastic reciclat pentru clădiri ecologice tip „green building concept, Programul EUREKA- FEVAL, Contract 308E/19.08.2011, durată 35 luni, buget 390.074 lei                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2*2,91=5,82                          |
|                                                  |                                                                                | Total membru echipă28,64                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                      |
| TOTAL Puncte Activitatea de cercetare (A2)913,48 |                                                                                |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                      |
| Recunoașterea și<br>impactul activității<br>(A3) | 3.1 Citări în revistele<br>WOS și volumele<br>conferințelor WOS <sup>(5)</sup> | 3.1.2 Profesor:<br>minimum 10 citări     | Citări în WOS - 111                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5/nr. autori ai<br>articolului citat |
|                                                  |                                                                                |                                          | 1. Romeo Cristian Ciobanu, Cristina Schreiner, Alina Ruxandra Caramitu, Sebastian Teodor Aradoaei, <b>Mihaela Aradoaei</b> , <i>Sustainability of the Technology for Obtaining Thermoplastic Building Materials from Non-Recyclable Mixed Plastic-Paper Packaging Waste</i> , Sustainability Journal 2024, Volume 16, Issue 8, 3430, DOI: 10.3390/su16083430, WOS:001210274700001<br>CITATIA de:<br>1. Fang Yu, Li Jianfeng, Li Qihua, Zeng Chen, Jiang Yuchen, Kong Weiqing, Zhu Meifang, <i>Fully biobased fluorine-free water- and oil-resistant cellulose-chitosan pulp molding with enhanced durability and closed-loop recyclability</i> , <b>INDUSTRIAL CROPS AND PRODUCTS Journal 2024</b> , Volume 230, DOI: 10.1016/j.indcrop.2025.121032, WOS:001477698000001.<br>2. Naude Juliana E., Rorke Daneal C. S., Gorgens Johann F., van Rensburg Eugene, <i>Valorisation of Waste-Paper Streams to Ethanol Through Submerged Fermentation</i> , <b>WASTE AND BIOMASS VALORIZATION Journal 2024</b> , DOI: 10.1007/s12649-025-03041-5, WOS:001466211000001.<br>3. Habib Unsia, Mohsin Mohammed E. Ali, Khan Zahid Iqbal, Mohamad Zurina, Othman Norhayani, Mousa Suleiman, Hossain S. K. Safdar, Ali Syed Sadiq, <i>Mechanical, Thermal, and Flammability</i> | 3*5/5=3                              |

|  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |
|--|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|  |  |  | <p><i>Properties of Eco-Friendly Nanocomposites from Recycled PET/PA-11 Blends Reinforced with Graphene Nanoplatelets</i>, <b>POLYMERS Journal 2024</b>, Volume 17, Issue 8, DOI:10.3390/polym17081038, WOS:001474589800001</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |
|  |  |  | <p>2. Alina Ruxandra Caramitu, Cristian Romeo Ciobanu, Lungu Marinela Valentina, Lungulescu Eduard Marius, Cristina Schreiner, <b>Mihaela Aradoaei</b>, Adriana Mariana Bors, Rusu Traian, <i>Polymeric Protective Films as Anticorrosive Coatings-Environmental Evaluation</i>, <b>Polymers Journal 2024</b>, Volumul: 16, Issue 15, 2192, DOI:10.3390/polym16152192, WOS:001286969000001</p> <p><b>CITATIA de:</b></p> <ol style="list-style-type: none"> <li>1. Pastrafidou Maria, Binas Vassilios, Kartsonakis, Ioannis A., <i>Designing the Next Generation: A Physical Chemistry Approach to Surface Coating Materials</i>, <b>APPLIED SCIENCES-BASEL Journal 2025</b>, Volume 15, Issue 19, DOI: 10.3390/app151910817, WOS:001593495300001.</li> <li>2. Yashin Nikolay V., Kuznetsova Daria A., Zaytseva Vera A., Ivanov Andrey V., Avdeev Viktor V., <i>The study of fire-retardant properties of intumescent PVC-based materials containing various types of expandable graphite</i>, <b>JOURNAL OF COATINGS TECHNOLOGY AND RESEARCH Journal 2025</b>, DOI: 10.1007/s11998-025-01115-6, WOS:001563774500001.</li> <li>3. Quintero Juan D., Villada Yurany, Inicarte Helen, Gomez Claudia, Taborda Esteban A., Rios Luis, Franco Camilo A., Cortes Farid B. <i>Bio-nanocoatings based on castor oil enhanced with nanomaterials as corrosion reducers in injection wells pipelines</i>, <b>NANOSCALE ADVANCES Journal 2025</b>, Volume 7, Issue 19, DOI: 10.1039/d5na00317b, WOS:001550612700001.</li> <li>4. Firoozi AliAkbar, Firoozi AliAsghar, Oyejobi D. O., Avudaippappan Siva, Flores ErickSaavedra, <i>Enhanced durability and environmental sustainability in marine infrastructure: Innovations in anti-corrosive coating technologies</i>, <b>RESULTS IN ENGINEERING Journal 2025</b>, Volume 7, Issue 19, DOI: 10.1016/j.rineng.2025.105144, WOS:001509309800001.</li> </ol> | 4*5/8=2,5  |
|  |  |  | <p>3. Sebastian Teodor Aradoaei, Alina Mirela Constantin, Lucian Alexandru Constantin, <b>Mihaela Aradoaei</b>, Romeo Cristian Ciobanu, <i>A Sustainability Study upon Manufacturing Thermoplastic Building Materials by Integrating Chicken Feather Fibers with Plastic Waste</i>, <b>Sustainability Journal 2024</b>, Volume 16, Issue 21, 9243, DOI:10.3390/su16219243, WOS:001352061000001</p> <p><b>CITATIA de:</b></p> <ol style="list-style-type: none"> <li>1. Al-Shawabkeh Ali F., Ikhries Ibrahim I., Al-Najdawi, Nijad A., <i>Assessing thermal insulation performance of recycled thermoplastic composites in sustainable buildings</i>, <b>THERMAL SCIENCE AND ENGINEERING PROGRESS Journal 2025</b>, Volume 62, Issue 19, DOI: 10.1016/j.tsep.2025.103600, WOS:001489891000001</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5/5=1      |
|  |  |  | <p>4. <b>Mihaela Aradoaei</b>, Romeo C. Ciobanu, Cristina Schreiner, Andrei G. Ursan, Elena G. Hitruc, Magdalena Aflori, <i>Thermoplastic Electromagnetic Shielding Materials from the Integral Recycling of Waste from Electronic Equipment</i>, <b>Polymers Journal 2023</b>, Volume 15, Issue 19, 3859, DOI:10.3390/polym15193859, WOS:001083084200001</p> <p><b>CITATIA de:</b></p> <ol style="list-style-type: none"> <li>1. Tahir Dahlang, Ardiansyah Ardiansyah, Heryanto Heryanto, Darwis Darmawati, Tamuntuan Gerald Hendrik, <i>Sustainable electromagnetic shielding materials: The emerging potential of cellulose nanofiber-based composites - A comprehensive review</i>, <b>INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Journal 2025</b>, Volume 321, 146387, DOI: 10.1016/j.ijbiomac.2025.146387, WOS:001584464500001</li> <li>2. Usentia Hakan, Duru Izzet Parug, <i>Tracking mechanical properties and UV/Vis/IR shielding effectiveness of orthorhombic FeBW nanostructures</i>, <b>MATERIALS TODAY COMMUNICATIONS Journal 2025</b>, Volume 47, 112972, DOI: 10.1016/j.mtcomm.2025.112972, WOS:001508351200009</li> <li>3. Kulenova Natalya, Sapinov Ruslan, Sadenova Marzhan, Shoshay Zhanserik, <i>Preparation of Composite Materials Based on Acrylonitrile-Butadiene-Styrene Flame-Retardant Plastic Obtained from Electronic Waste and Fly Ash Microspheres, with Thermogravimetric/Differential Scanning Calorimetry Analysis and a Study of the Mechanical Characteristics of the Obtained Material</i>, <b>PROCESSES Journal 2025</b>, Volume 13, Issue 4, 1045, DOI: 10.3390/pr13041045, WOS:001474543400001</li> <li>4. Ruscica Giuseppe, Peinetti Fabio, Natali Sora Isabella, Savi Patrizia, <i>Analysis of Electromagnetic Shielding Properties of Cement-Based Composites with Biochar and PVC as Fillers</i>, <b>C-</b></li> </ol>                      | 4*5/6=3,33 |

*Sup*



*Surp*

|  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |
|--|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|  |  |  | <p><b>JOURNAL OF CARBON RESEARCH Journal 2024</b>, Volume 10, Issue 1, 21, DOI: 10.3390/c10010021, WOS:001191464300001</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            |
|  |  |  | <p>5. <b>Mihaela Aradoaei</b>, Andreea Maria Lucaci, Romeo Cristian Ciobanu, Cristina Schreiner, Bogdan George Rusu, Gabriela Elena Hitruc, Magdalena Aflori, Marius Paulet, Alina Ruxandra Caramitu, Adriana Mariana Bors, <i>Piezoelectric thin Film Composites with BaTiO<sub>3</sub> for Microelectronics</i>, <b>Revista de Materiale Plactice 2023</b>, Volume 60, Issue 4, page 10-130, DOI:10.37358/MP.23.4.5683, WOS:001143872900006</p> <p>CITATIA de:</p> <ol style="list-style-type: none"> <li>1. Karakulak Ertugrul, Parali Levent, Koc Muhterem, Tatardar Farida, Sari Ali, Mevsim Ersoy, Fataliyeva Valida, <i>Enhanced piezoelectric performance of multilayered piezoelectric nanogenerator based on the PVDF/PZT/graphene Electrospun for IoT-based remote monitoring</i>, <b>SURFACES AND INTERFACES Journal 2025</b>, Volume 75, 107809, DOI: 10.1016/j.surfin.2025.107809, WOS:001594207100001</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5/10=0,5   |
|  |  |  | <p>6. <b>Mihaela Aradoaei</b>, Romeo C. Ciobanu, Cristina Schreiner, Marius Paulet, Alina R. Caramitu, Jana Pinte, Mihaela Baibarac, <i>Three-Dimensional Printable Flexible Piezoelectric Composites with Energy Harvesting Features</i>, <b>Polymers Journal 2023</b>, Volume 15, Issue 11, 2548, DOI: 10.3390/polym15112548, WOS:001006230400001</p> <ol style="list-style-type: none"> <li>1. Kantaros Antreas, Ganetsos Theodore, Kanetaki Zoe, Stergiou Constantinos, Pallis Evangelos, Papoutsidakis Michail, <i>Design and Fabrication of Customizable Urban Furniture Through 3D Printing Processes</i>, <b>PROCESSES Journal 2025</b>, Volume 13, Issue 8, 2492, DOI: 10.3390/pr13082492, WOS:001557611600001</li> <li>2. Liang Tian, Lan Yong-ting, Liang Ming-yang, <i>Review of microstructure evolution and force-electric coupling behavior of piezoelectric materials</i>, <b>MATERIALS TODAY COMMUNICATIONS Journal 2025</b>, Volume 47, 113027, DOI:10.1016/j.mtcomm.2025.113027, WOS:001510808200014</li> <li>3. Zhang Jun Jie, Singh Ajeet, Liao Guan-Bo, Lin Meng-Fang, <i>ZnO/PVDF-HFP Setaria viridis Structure-Based Triboelectric Nanogenerators for Mechanical and Blue Energy Harvesting</i>, <b>ACS APPLIED ELECTRONIC MATERIALS Journal 2025</b>, Volume 7, Issue 9, page 3963-3973, DOI: 10.1021/acsaelm.5c00211, WOS:001467592300001</li> <li>4. Kim Hee Jin, Jang Jiye, Lee Jieun, Han Chang Hun, Kim Jin Woong, Park Bum Jun, <i>Fabrication of Engineered Drug-Polymer Composite Particles via Piezoelectric Inkjet Technique for Floating Drug Delivery Systems</i>, <b>LANGMUIR Journal 2024</b>, Volume 40, Issue 48, page 25638-25647, DOI: 10.1021/acs.langmuir.4c03556, WOS:001357838000001</li> <li>5. Han Lintong, He Lipeng, Lv Xingqian, Sun Lei, Zhang Limin, Fan Wei, <i>Piezoelectric-electromagnetic wearable harvester for energy harvesting and motion monitoring</i>, <b>SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS Journal 2024</b>, Volume 71, DOI: 10.1016/j.seta.2024.104030, WOS:001338728900001</li> <li>6. Sengwa R. J., Charan Chandra Prabha, <i>ZnO nanofiller concentrations' modified P(VDF-HFP)/PEO polymer matrix-based nanocomposites of enhanced optical and dielectric properties for emerging optoelectronic and energy storage devices</i>, <b>SURFACES AND INTERFACES Journal 2024</b>, Volume 46, 103945, DOI: 10.1016/j.surfin.2024.103945, WOS:001172391500001</li> <li>7. Lin Shuxin, Iranmanesh Emad, Zhao Lin, Li Weiwei, Doumanidis Haris, Zhou Hang, Wang Kai, <i>Piezotronic N+ -ITO/P-NiO/N-ZnO Heterojunction Thin-Film Diode as a Flexible Energy Scavenger</i>, <b>IEEE JOURNAL OF THE ELECTRON DEVICES SOCIETY Journal 2024</b>, Volume 12, page 555-563, DOI: 10.1109/JEDS.2024.3421612, WOS:001286822900004</li> <li>8. Tusset Angelo M., Pires Dim B., Balthazar Jose M., Fuziki Maria E. K., Andrade Dana I., Lenzi Giane G., <i>Dynamic Analysis and Piezoelectric Energy Harvesting from a Nonideal Portal Frame System including Nonlinear Energy Sink Effect</i>, <b>ACTUATORS Journal 2023</b>, Volume 12, Issue 7, 298, DOI: 10.3390/act12070298, WOS:001037747600001</li> </ol> | 8*5/7=5,71 |
|  |  |  | <p>7. Alina R. Caramitu, Romeo C. Ciobanu, Ioana Ion, Cristina M. Schreiner, <b>Mihaela Aradoaei</b>, Violeta Tsakiris, Jana Pinte, Virgil Marinescu, <i>Flexible Electromagnetic Shielding Nano-Composites Based on Silicon and NiFe<sub>2</sub>O<sub>4</sub> Powders</i>, <b>Polymers Journal 2023</b>, Volume 15, Issue 11, 2447, DOI:10.3390/polym15112447, WOS:001005724100001</p> <ol style="list-style-type: none"> <li>1. Emek Mehriban, Sahin Ethem Ilhan, Ibrahim Jamal Eldin F. M., <i>Production and Shielding Effectiveness Features of Chopped Strands Backed-GdMnO<sub>3</sub> Composites for 6.5-17.5 GHz</i></li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3*5/8=1,87 |

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|  |                                                                          |                                   | <p>23.S.Aradoaei, R.Darie, <b>M. Mosneagu (casătorită Aradoaei)</b>, S.Ursache, <i>Technological analysis of materials derived from recycled PET and LDPE via dielectric spectroscopy method</i>, Proceedings of 7<sup>th</sup> International Conference Management of Technological Changes, MTC 2011, 1-3 September, Alexandroupolis, Greece, Volume.1, page 449-452, 2011, page 449-452, WOS:000306939900113</p> <ol style="list-style-type: none"> <li>1. Ursan, G.-A., Ursan, M., La Rosa, A.D., Contofan, I.C., <i>Correlations between Simulation and Electromagnetic Properties Testing of Hot Melt Nanostructured Adhesives</i>, 2018, EPE 2018 - Proceedings of the 2018 10th International Conference and Expositions on Electrical And Power Engineering 8559821, pp. 650-653, WOS:000458752200126</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5/4=1,25                                 |
|  |                                                                          |                                   | <b>Total Citări în WOS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>90,03</b>                             |
|  | 3.2 Citări în revistele BDI și volumele conferințelor BDI <sup>(5)</sup> | 3.2.2 Profesor: minimum 20 citări | <b>Citări în BDI - 30</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>3/nr. autori ai articolului citat</b> |
|  |                                                                          |                                   | <p>1. Angela Daniela La Rosa, Clara Valente, <b>Mihaela Aradoaei</b>, <i>Environmental, economic, and social life cycle assessment in the polymer composites sector</i>, The 13th IEEE International Conference and Exposition on Electrical and Power Engineering (EPEI 2024), 17-19 October 2024, Iasi, Romania, DOI: 10.1109/EPEI63510.2024.10758166, indexat IEEE Xplore</p> <ol style="list-style-type: none"> <li>1. Chandel, Sunandani, Shaji Ashline, Chuttur, Mahesh, Adithya Raj U, <i>Life cycle assessment of biocomposites: Environmental impacts and sustainability perspectives</i>, <b>Innovations and Applications of Advanced Biomaterials in Healthcare and Engineering</b>, Book, 2025, page</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3/3=1                                    |

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| 439-501, DOI:10.4018/979-8-3373-1305-4.ch013, (Citare Scopus)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |
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| <p>3. Oliver Schreiner, Alexandru Trandabat, <b>Mihaela Aradoaei</b>, Raducu Machidon, Constantin Vlad Chiriac <i>Electrochemical Sensor For Carbon Monoxide Testing Based On Carbon Nanofiber - Conductive Polymer Electrodes</i>, The 13th IEEE International Conference and Exposition on Electrical and Power Engineering (EPEI 2024), 17-19 October 2024, Iasi, Romania, DOI: 10.1109/EPEI63510.2024.10758086, indexat IEEE Xplore</p> <p>1. Jaitham Udomsap, Pintakham Tipsuda, Kyi Nan Ei Moh Moh, Samar Muhammad, Jeeno Peerapong, Hongsibsong Surat, Pata Supansa, Wongta Anurak, <i>Portable Thiocholine-Based Sensor for Monitoring Blood Cholinesterase Activity and Detecting Organophosphate and Carbamate Pesticides Using Personal Glucose Meters</i>, <b>Foods Journal</b> 2025, volume 14, Issue 7, 1136, DOI:10.3390/foods14071136, (Citare Scopus)</p> | 3/5=0,6  |
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|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
|  |                                                                                                                                                                                                                    |                                        | <p><i>Flour and Polypropylene</i>, Revista de Materiale Plastice, 2020, volume 57, Issue 4, page 325-332, DOI:10.37358/MP.20.4.5432, WOS:000617344900031</p> <p>1. Hong Zhiwei, <i>Analysis of microscopic properties of fibre reinforced polymer composites</i> International <b>Journal of Microstructure and Materials Properties</b> 2021, volume 15, Issue 5-6, page 419-429, DOI:10.1504/IJMMP.2021.121633 (Citare Scopus)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |
|  |                                                                                                                                                                                                                    |                                        | <p>16. S.T. Aradoaei, V. Bahrin, <b>M. Aradoaei</b>, M.A. Constantin, L.A. Constantin, <i>Dielectric Spectroscopy Analysis of Composites Obtained from Thermoplastic with Feathers Flour</i>, 11th International Conference on electrical and power engineering, 22-23 Octombrie EPE 2020 - Iași, Romania, page 474-477, DOI: 10.1109/EPE50722.2020.9305582, indexat IEEE Xplore</p> <p>1. Frydrysiak Michal, <i>Biolaminates as an Example of Upcycling Product with Keratin Flour—Research and Thermal Properties Modeling</i>, <b>MATERIALS Journal</b> 2024, volume 17, Issue 16, 4081, DOI:10.3390/ma17164081, (Citare Scopus)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3/5=0,6       |
|  |                                                                                                                                                                                                                    |                                        | <p>17. A. R. Caramitu, S. Mitrea, V. Marinescu, G. A. Ursan, <b>M. Arădoaei</b>, I. Lingvay, <i>Dielectric Behavior and Morphostructural Characteristics of some HDPE Composites / Metal Nanopowders</i>, Revista de Materiale Plastice, 2019, vol.: 56, Issue 1, pp.103-109, <a href="https://doi.org/10.37358/MP.19.1.5132">https://doi.org/10.37358/MP.19.1.5132</a>, WOS:000464604100021</p> <p>1. Voina A., Lingvay D., Marin D., <i>The environment impact on materials used in electrical systems</i>, <b>Revista EEA - Electrotehnica, Electronica, Automatica</b> 2019, volume 67, Issue 1, page 115 - 120, (Citare Scopus)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3/6=0,5       |
|  |                                                                                                                                                                                                                    |                                        | <p>18. A.D. La Rosa, G.A. Usan, <b>M. Aradoaei</b>, M. Ursan, C. M. Schreiner, <i>Life Cycle Assessment of Microwave Activated Hot-Melt Adhesives</i>, 10th International Conference on electrical and power engineering, 18-20 Octombrie EPE 2018 - Iași, Romania, Page 658-661, WOS:000458752200128</p> <p>1. Damian Radu F., Ciobanu Romeo Cristian, <i>Modeling Absorbed Energy in Microwave Range for Nanocomposite Hot Melts Containing Metallic Additives</i>, <b>Applied Sciences (Switzerland) Journal</b> 2025, volume 15, Issue 2, 541, DOI:10.3390/app15020541, (Citare Scopus).</p> <p>2. Dunky, Manfred, <i>Applications and industrial implementations of naturally-based adhesives. Biobased Adhesives: Sources, Characteristics, and Applications</i>, Book Chapter, Pages 659 - 704, 23 March 2023, DOI: 10.1002/9781394175406.ch22, ISBN 978-139417538-3, 978-139417463-8, (Citare Scopus).</p> <p>3. Favi, C., Moroni, F., Lutey A.H.A, <i>LCA of laser surface activation and traditional pre-treatments for adhesive bonding of engineering polymers</i>, (2021) <b>Procedia CIRP</b>, Volume 98, Pages 541 - 546, 28th CIRP Conference on Life Cycle Engineering, LCE 2021, DOI: 10.1016/j.procir.2021.01.148, (Citare Scopus)</p> | 3*3/5=1,8     |
|  |                                                                                                                                                                                                                    |                                        | <b>Total Citări în BDI</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>13,76</b>  |
|  |                                                                                                                                                                                                                    |                                        | <b>Total puncte citări</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>103,79</b> |
|  | 3.3 Prezentări invitate în plenul unor manifestări științifice naționale și internaționale și Profesor invitat (exclusiv POS, ERASMUS)                                                                             | Punctaj unic pentru fiecare activitate | 3.3.1 internaționale<br>3.3.2 naționale                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |
|  | 3.4 Membru în colective de redacție sau comitete științifice ale revistelor și manifestărilor științifice, organizator de manifestări științifice, recenzor pentru reviste și manifestări științifice naționale și |                                        | 3.4.1 WOS - 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 10 pct        |
|  |                                                                                                                                                                                                                    |                                        | <b>Recenzor</b> paper ID: polymers-3918777, Jurnal Polymers (ISSN 2073-4360), <i>Research on Diagnostic Methods for Gas Generation Due to Degradation of Cable PVC Materials under Electrical and Thermal Stress</i> , 2025.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 10            |
|  |                                                                                                                                                                                                                    |                                        | <b>Recenzor</b> paper ID: materials-3810179, Jurnal Materials (ISSN 1996-1944), <i>Transparent Wood Fiber-Reinforced Epoxy Resin Electromagnetic Shielding Materials with Superior Mechanical Strength and Thermal Insulation Performance</i> , 2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 10            |
|  |                                                                                                                                                                                                                    |                                        | <b>Recenzor</b> paper ID: sensors-2987472, Jurnal Sensors (ISSN 1424-8220), <i>Development of a Simple Setup to Measure the Shielding Effectiveness at Microwave Frequencies</i> , 10 iunie 2024.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 10            |

|  |                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            |
|--|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|  | internaționale (punctajul se acordă pentru fiecare revistă, manifestare științifică și recenzie) | Recenzor paper ID: energies -1668162, Jurnal Energies (ISSN 1996-1073), <i>Polyaniline Infused Woolen e-Textiles for Efficient Electromagnetic Interference Shielding</i> , 31 martie 2022.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10         |
|  |                                                                                                  | <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>40</b>  |
|  |                                                                                                  | 3.4.2 BDI - 24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6 pct.     |
|  |                                                                                                  | <b>Chairman</b> la The 13th IEEE International Conference and Exposition on Electrical and Power Engineering (EPEI 2024), 17-19 October 2024, Iasi, Romania, Sectiunea:9th International Workshop With Industry On Electromagnetic Properties Of Materials And Dedicated Applications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6          |
|  |                                                                                                  | <b>Membru în comitetul de organizare</b> la The 13th IEEE International Conference and Exposition on Electrical and Power Engineering (EPEI 2024), 17-19 October 2024, Iasi, Romania                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6          |
|  |                                                                                                  | <b>Recenzor</b> paper ID 69, ID 78, ID 79, ID 80, ID 83, ID 84, ID 85, ID 91, ID 127, ID 153, ID 175, ID 176, The 13th IEEE International Conference and Exposition on Electrical and Power Engineering (EPEI 2024), 17-19 October 2024, Iasi, Romania                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 12*6=72    |
|  |                                                                                                  | <b>Recenzor</b> paper ID 1170, 2024 Buletinul Institutului Politehnic din Iași, (indexat Copernicus)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6          |
|  |                                                                                                  | <b>Recenzor</b> paper ID 79, 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), 11-03 October 2023, Chisinau, Iasi, Romania, (indexata IEEE Xplore)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6          |
|  |                                                                                                  | <b>Chermen la Conferința internațională</b> "12th International Conference and Exposition on Electrical and Power Engineering (EPE 2022)" indexata IEEE Xplore                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6          |
|  |                                                                                                  | <b>Membru în Comitetul de organizare a Conferinței internaționale</b> "12th International Conference and Exposition on Electrical and Power Engineering (EPE 2022)" indexata IEEE Xplore                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6          |
|  |                                                                                                  | <b>Recenzor</b> paper ID 17, paper ID 84, paper ID 160, paper ID 164 , 12th International Conference and Exposition on Electrical and Power Engineering (EPE 2022)" (indexata IEEE Xplore)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4*6=24     |
|  |                                                                                                  | <b>Recenzor</b> paper ID 104, 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 06-08 October 2021, Iasi, Romania, (indexata IEEE Xplore)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6          |
|  |                                                                                                  | <b>Recenzor</b> paper ID 4268, 11th International Conference on electrical and power engineering, 22-23 Octombrie EPE 2020, (indexata IEEE Xplore)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6          |
|  |                                                                                                  | <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>144</b> |
|  |                                                                                                  | 3.4.3 Naționale și internaționale neindexate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |
|  | 3.5 Referent în comisii de doctorat                                                              | 3.5.1 internaționale                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |
|  |                                                                                                  | 3.5.2 naționale - 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5 pct      |
|  |                                                                                                  | Referent numit prin decizia nr. 27864/25.07.2024 în comisia de analiză și susținere a tezei de doctorat elaborată de doamna Lucaci Andreea Maria -îndrumator Prof. dr. ing Ciobanu Romeo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5          |
|  |                                                                                                  | Referent numit prin decizia nr. 28805/31.07.2024 în comisia de analiză și susținere a tezei de doctorat elaborată de doamna Morosanu Cosntantin Vlad -îndrumator Prof. dr. ing Schreiner Cristina                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5          |
|  |                                                                                                  | <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>10</b>  |
|  | 3.6 Premii                                                                                       | Academia Română                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            |
|  |                                                                                                  | ASAS, AOSR, academii de ramură și CNCS - 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 15 pct     |
|  |                                                                                                  | <b>Premiul</b> - Premierea rezultatelor cercetării UEFISCDI Program 5.2, Subprogram 5.2.3 - Premierea rezultatelor cercetării - Articole Web of Science, Competitia 2023 - Lista 1 - Cereri premiere pentru articole publicate în anul 2021 _aprobate, cu încadrare în bugetul competiției, pag. 63/79, nr. crt. 873, cod depunere PN-IV-P2-2.3-PRECISI-2023-82452, pentru articolul Megha Sahu, Lakshmi Narasimhan, Ashok M. Raichur, Alexandru Sover, Romeo C. Ciobanu, Nicolae Lucanu, <b>Mihaela Aradoaei</b> , <i>Improving Fracture Toughness of Tetrafunctional Epoxy with Functionalized 2D Molybdenum Disulfide Nanosheets</i> , Polymers Journal, 2021, Volume 13, Issue 24, 4440, DOI: 10.3390/polym13244440, WOS:000737388000001, ISI web of Science (Jurnal). | 15         |
|  |                                                                                                  | <b>Premiul</b> - Premierea rezultatelor cercetării UEFISCDI Program 5.2, Subprogram 5.2.3 - Premierea                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 15         |



|  |                                                                                                                                                                        |                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |
|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
|  |                                                                                                                                                                        |                                                                   | <p>rezultatelor cercetării - Articole Web of Science, Competitia 2023 - Lista 1 - Cereri premiere pentru articole publicate în anul 2021_aprobat, cu încadrare în bugetul competiției, pag. 63/79, nr. crt. 876, cod depunere PN-IV-P2-2.3-PRECISI-2023-82488, pentru articolul Alexandru Sover, Vasile Ermolai, Ashok M. Raichur, Romeo Ciobanu, <b>Mihaela Aradoaei</b>, Nicolae Lucanu, <i>Feasibility of Producing Core-Shell Filaments through Fused Filament Fabrication</i>, Polymers Journal, 2021, Volume 13, Issue 23, 4253, DOI: 10.3390/polym13234253, WOS:000734564000001 ISI web of Science (Jurnal).</p> <p><b>Premiul</b> - Premiarea rezultatelor cercetării UEFISCDI - Articole, Competitia 2021, Rezultate evaluare Lista 6_Partial, pag. 124-125, nr. crt. 330, cod depunere PN-III-P1-1.1-PRECISI-2021-67434, pentru articolul V. Stancu, A. Galatanu, M. Enculescu, M. Onea, B. Popescu, P. Palade, M. Aradoaei, R. Ciobanu, L. Pintilie, Influences of Dispersions' Shapes and Processing in Magnetic Field on Thermal Conductibility of PDMS-Fe<sub>3</sub>O<sub>4</sub> Composites, Materials 2021, Volume 14, Issue 13, 3696.</p> |               |
|  |                                                                                                                                                                        |                                                                   | <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>45</b>     |
|  |                                                                                                                                                                        |                                                                   | Premii internaționale                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |               |
|  |                                                                                                                                                                        |                                                                   | Premii naționale în domeniu - 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5 pct.        |
|  |                                                                                                                                                                        |                                                                   | <p><b>Diploma de Excellence</b> - at The International Conference on Electrical and Power Engineering „ADVANCED STRUCTURES, MATERIALS AND ELECTRICAL SYSTEMS ASMES 2024”, pentru <i>Polymeric composite materials with electromagnetic properties, obtained by dispersing some nanoadditives in its structure</i>, Tugui Costel, Romeo C. Ciobanu, <b>Mihaela Aradoaei</b>, Caramitu Alina Roxana, Ion Ioana</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5             |
|  |                                                                                                                                                                        |                                                                   | <p><b>Diplomă de aur</b> pentru <i>Procedeu și compoziție pentru obținerea de compozite poliolefine/material cheratinic</i>, la Salonul Internațional de Invenții și Inovații „Traian Vuia”, Timisoara, 10 octombrie 2022</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5             |
|  |                                                                                                                                                                        |                                                                   | <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>10</b>     |
|  | 3.7 Membru în academii, organizații, asociații profesionale de prestigiu, naționale și internaționale, apartenență la organizații din domeniul educației și cercetării | 3.7.1 Academia Română                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |
|  |                                                                                                                                                                        | 3.7.2 ASAS, AOSR și academii de ramură                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |
|  |                                                                                                                                                                        | 3.7.3 Conducere asociații profesionale                            | internaționale                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |
|  |                                                                                                                                                                        |                                                                   | naționale                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |
|  |                                                                                                                                                                        | 3.7.4 Asociații profesionale                                      | Naționale - 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2 pct.        |
|  |                                                                                                                                                                        |                                                                   | Membru în Societatea Absolvenților Facultății de Electrotehnică din Iași SETIS Iași, ID nr. 173                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2             |
|  |                                                                                                                                                                        |                                                                   | Membru în Asociația Generală a Inginerilor din România                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2             |
|  |                                                                                                                                                                        |                                                                   | <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>4</b>      |
|  |                                                                                                                                                                        | 3.7.5 Consilii și organizații în domeniul educației și cercetării |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |
|  |                                                                                                                                                                        |                                                                   | <b>TOTAL Puncte Recunoașterea și impactul activității (A3)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>356,79</b> |

Data: 18.11.2025

Conf. dr.ing. ARĂDOAEI MIHAELA

