

## LISTA DE LUCRĂRI

Candidat: Neagu C. Bogdan Constantin - **Dr./** din 2014, Conferențiar / din 2022

### 1<sup>o</sup> Teza de doctorat

Contribuții la optimizarea structurii și regimurilor de funcționare ale rețelelor de repartitie și distribuție a energiei electrice, Domeniul: Inginerie Electrică, Data sustinerii 10.01.2014, Conducător științific: Prof. dr. ing. Mircea Dan GUȘĂ

2<sup>o</sup> Cărți/ cursuri/ manuale publicate în edituri recunoscute din țară sau din străinătate (Ca1, Ca2 etc.), îndrumare publicate/culegeri de probleme (I1, I2 etc.), sisteme de laborator funcționale etc. (D1, D2 etc.) cursuri proprii pe Web, sisteme e-learning etc. (W1, W2 etc.), după caz, precum și alte lucrări (M1, M2 etc.) prin care se aduc contribuții la dezvoltarea activităților didactice/ profesionale.

Ca	<b>Carte/ curs/ manual publicată în editură recunoscută CNCS (unic/ prim autor sau co-autor)</b>
	Ca1. <b>Bogdan-Constantin Neagu</b> , Transportul și Distribuția Energiei Electrice, Suport de curs (prezentari PowerPoint), 284 pag. <a href="http://www.bogdan-neagu.ieceia.tuiasi.ro/didactic/tdee">www.bogdan-neagu.ieceia.tuiasi.ro/didactic/tdee</a>
	Ca2. <b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Strategia planificării sistemelor de distribuție, vol. 1, Edit. PIM, Iași, Romania, 2017, ISBN 978-606-13-3994-5, 290 pag.
	Ca3. <b>Bogdan-Constantin Neagu</b> , <i>Strategia planificării sistemelor de distribuție</i> , vol. 2, Editura PIM, Iași, Romania, 2018, ISBN 978-606-13-4696-7, 264 pag.
	Ca4. <b>Bogdan-Constantin Neagu</b> , <i>Management energetic Gestiunea Energiei</i> , 420 pag, ( <a href="http://www.efen.ieceia.tuiasi.ro/curs_manager">http://www.efen.ieceia.tuiasi.ro/curs_manager</a> ):
	Ca5. <b>Bogdan-Constantin Neagu</b> , <i>Management energetic Audit Termoenergetic</i> , 364 pag, ( <a href="http://www.efen.ieceia.tuiasi.ro/curs_manager">http://www.efen.ieceia.tuiasi.ro/curs_manager</a> ):
	Ca6. <b>Bogdan-Constantin Neagu</b> , <i>Management energetic Audit Electroenergetic</i> , 383 pag, ( <a href="http://www.efen.ieceia.tuiasi.ro/curs_manager">http://www.efen.ieceia.tuiasi.ro/curs_manager</a> ):
I	<b>Îndrumar/ culegere de probleme (publicat sau disponibil pe Web)</b>
	I1. <b>Bogdan-Constantin Neagu</b> , <i>Transportul și distribuția energiei electrice II. Lucrări de laborator bazate pe simulări software</i> , Editura PIM, Iași, Romania, 2021, ISBN 978-606-13-5340-8.
	I2. <b>Bogdan-Constantin Neagu</b> , <i>Transportul și distribuția energiei electrice, Elemente constructive ale rețelelor electrice</i> , Editura PIM, Iași, Romania, 2020, ISBN 978-606-13-5340-8.
	I3. <b>Bogdan-Constantin Neagu</b> , <i>Transportul și distribuția energiei electrice. Lucrări practice de laborator</i> , Publicare online, Iași, 2018, <a href="http://www.bogdan-neagu.ieceia.tuiasi.ro/aplicatii">www.bogdan-neagu.ieceia.tuiasi.ro/aplicatii</a> (346 pag).
	I4. <b>Bogdan-Constantin Neagu</b> , <i>Transportul și distribuția energiei electrice. Analiza asistată de calculator</i> , Publicare online, Iași, 2018, <a href="http://www.bogdan-neagu.ieceia.tuiasi.ro/soft">www.bogdan-neagu.ieceia.tuiasi.ro/soft</a> (234 pag).
D	<b>Sisteme de laborator funcționale</b>
	D1. <b>Bogdan-Constantin Neagu</b> , Calculul regimului permanent utilizând metoda tensiunilor nodale (soft C#).
	D2. <b>Bogdan-Constantin Neagu</b> , Modelarea consumatorilor din nodurile sistemelor de distribuție a energiei electrice (soft Matlab).
	D3. <b>Bogdan-Constantin Neagu</b> , Determinarea configurației optime ale rețelelor electrice de distribuție arborescente (soft C#).
	D4. <b>Bogdan-Constantin Neagu</b> , Optimizarea traseelor rețelelor de distribuție utilizând teoria grafurilor (soft C#).

	D5. <b>Bogdan-Constantin Neagu</b> , Monitorizarea sarcinilor electrice prin utilizarea contoarelor inteligente (soft LabView).
	D6. <b>Bogdan-Constantin Neagu</b> , Calculul indicatorilor caracteristici ai curbelor de sarcină (soft C#).
	D7. <b>Bogdan-Constantin Neagu</b> , Calculul pierderilor de putere și energie în rețelele de distribuție (soft Delphi).
	D8. <b>Bogdan-Constantin Neagu</b> , Determinarea parametrilor caracteristici ai regimului deformant (soft C#).
	D9. Contribuție la dotarea laboratoarelor (calculatoare, kit fotovoltaic, aparate de măsură, lampi și prize inteligente) între anii 2016-2020 aprox. 60650 lei (12130 Euro)
<b>W</b>	<b>Utilizarea sistemelor de predare/ învățare/ evaluare de tip e-learning/ on-line/ multimedia etc.</b>
	W1. <b>Bogdan-Constantin Neagu</b> , <i>Transportul și distribuția energiei electrice. Lucrări practice de laborator</i> , Suport de studiu pentru laborator (format electronic pdf) (346 pag), disponibil web: <a href="http://www.bogdan-neagu.ieeia.tuiasi.ro/aplicatii">www.bogdan-neagu.ieeia.tuiasi.ro/aplicatii</a>
	W2. <b>Bogdan-Constantin Neagu</b> , <i>Transportul și distribuția energiei electrice. Analiza asistată de calculator</i> , Publicare online, Iași, 2018, <a href="http://www.bogdan-neagu.ieeia.tuiasi.ro/soft">www.bogdan-neagu.ieeia.tuiasi.ro/soft</a> (234 pag).
	W3 <b>Bogdan-Constantin Neagu</b> , <i>Transportul și Distribuția Energiei Electrice, Note de curs (.pptx)</i> , 284 pag, ( <a href="http://www.bogdan-neagu.ieeia.tuiasi.ro/didactic/tdee">www.bogdan-neagu.ieeia.tuiasi.ro/didactic/tdee</a> )
<b>TOTAL</b>	

**3<sup>o</sup> Cărți/ capitole cărți de specialitate publicate în edituri recunoscute din țară sau din străinătate (Cb1, Cb2 etc.), articole/ studii publicate în reviste din țară/ străinătate, cu factor de impact/ indexate în BDI/ neindexate în BDI (R1, R2 etc.), brevete de invenție (B1, B2 etc.), creații artistice prezentate la manifestări recunoscute din țară/ străinătate (A1, A2 etc.), articole/ studii publicate în volumele manifestărilor științifice naționale/ internaționale indexate BDI/ neindexate BDI (V1, V2 etc.), după caz, precum și alte lucrări (N1, N2 etc.) prin care se aduc contribuții științifice la dezvoltarea domeniului.**

	<b>Carte de specialitate publicată în editură din străinătate</b>
<b>Cb</b>	<b>Cb1. Bogdan-Constantin Neagu</b> , Mihai Gavrilas, Ovidiu Ivanov, Gheorghe Grigoras, <i>The Crowdsourcing Concept-Based Data Mining Approach Applied in Prosumer Microgrids</i> , Capitolul 5 in cartea <i>The Future of Data Mining</i> , Editor Cem Ufuk Baytar, Nova Science Publishers, USA, 2022, pp. 77 – 94, ISBN: 978-1-53618-508-9
	<b>Cb1.</b> Gheorghe Grigoras, <b>Bogdan-Constantin Neagu</b> , Ovidiu Ivanov, Mihai Gavrilas, Florina Scarlatache, <i>Smart Meter Data-based Strategies in the Optimal Operation of Electric Distribution Systems</i> , Lambert Academic Publishing, Riga, Lituania, 264 pag. (28 pg. Neagu), 2019, 978-620-0-50306-0
	<b>Cb2.</b> Gheorghe Grigoras, Florina Scarlatache, <b>Bogdan-Constantin Neagu</b> , <i>Clustering in Power Systems. Applications</i> , Lambert Academic Publishing, Germania, 264 pag. (54 pag. Neagu), 2016, ISBN: 978-3-330-01545-6.
	<b>Cb3.</b> Mihai Gavrilas, <b>Bogdan-Constantin Neagu</b> , <i>Enhanced metaheuristic search algorithms. Applications in the management of electricity distribution systems</i> , LAP Lambert Academic Publishing, ISBN 978-620-2-51263-3, Riga, Latvia, 2020.
	<b>Capitol carte de specialitate publicată în editură din străinătate</b>
	<b>Cb4. Neagu, Bogdan-Constantin</b> , Gheorghe Grigoras, and Florina Scarlatache. "Engineering Applications of Blockchain Based Crowdsourcing Concept in Active Distribution Grids." <i>Smart Grid 3.0: Computational and Communication Technologies</i> . Cham: Springer International Publishing, 2023. 57-76.
	<b>Cb5.</b> Grigoras, Gheorghe, <b>Bogdan-Constantin Neagu</b> , and Florina Scarlatache. "Data Mining-Based Approaches in the Power Quality Analysis." In <i>Smart Grid 3.0: Computational and Communication Technologies</i> , pp. 93-119. Cham: Springer International Publishing, 2023.
	<b>Cb6.</b> Gheorghe Grigoras, <b>Bogdan-Constantin Neagu</b> , <i>Regression Analysis-Based Load Modelling for Electric Distribution Networks</i> , Capitol in cartea <i>Numerical Methods for Energy Applications</i> , Editori: Naser Mahdavi Tabatabaei, Nicu Bizon, Springer International Publishing, Switzerland, (27 pag.), 2021, pp. ISBN: 978-3-030-62190-2
<b>Cb7.</b> Eduard Lunca, <b>Bogdan-Constantin Neagu</b> , Silviu Vornicu, <i>Finite Element Analysis of Electromagnetic Fields Emitted by Overhead High-Voltage Power Lines</i> , In	

	<p><i>Numerical Methods for Energy Applications</i>, Editori: Naser Mahdavi Tabatabaei, Nicu Bizon, Springer International Publishing, Switzerland, Capitolul 29, (26 pag.), 2021, ISBN: 978-3-030-62190-2</p>
	<p><b>Cb8. Bogdan-Constantin Neagu</b>, Gheorghe Grigoraș, Decision-Making Strategies with Clustering Based Unsupervised Learning for Smart Grids Planning, Capitol in cartea An Introduction to Approaches and Modern Applications with Ensemble Learning, Editor: Yi-Tung Chan, Nova Science Publishers, USA, (40 pag.), 2020, ISBN: 978-1-53618-680-2</p>
	<p><b>Cb9.</b> Gheorghe Grigoraș, Ovidiu Ivanov, <b>Bogdan-Constantin Neagu</b>, Pragma Kar, Smart Metering Based Strategies for Improving Energy Efficiency in Microgrid, Capitol in cartea Microgrid Architectures, Control and Protection Methods, Editori: Naser Mahdavi Tabatabaei, Ersan Kabalci, Nicu Bizon, Springer International Publishing, Switzerland, 2020, (28 pag.), ISBN: 978-3-030-23722-6.</p>
	<p><b>Cb10. Bogdan-Constantin Neagu</b>, Mihai Gavrițaș, Optimal Placement of Energy Storage Systems in Prosumer Microgrids, Capitolul 7 in cartea Advances in Engineering Research, Editor Victoria M. Petrova, Nova Science Publishers, USA, 2020, pp. 253 – 273, ISBN: 978-1-53618-508-9</p>
	<p><b>Cb11. Bogdan-Constantin Neagu</b>, Gheorghe Grigoraș, Ovidiu Ivanov, The Optimal Operation of Active Distribution Networks based on Smart Metering, Capitol in cartea Advanced Communication and Control Methods for Future Smartgrid, Editor: Taha Selim Ustun, IntechOpen, Londra, UK, 2019, (24 pag.) ISBN: 978-1-78984-105-3</p>
	<p><b>Cb12. Bogdan-Constantin Neagu</b>, Gheorghe Grigoraș, The Assessment of Power Quality in Electric Distribution Systems from Romania, capitol in cartea Advances in Energy Research, Editor Morena J. Acosta, Nova Science Publishers, USA, (55 pag.), 2017, ISBN: 978-1-53612-699-0.</p>
	<p><b>Carte de specialitate/ capitol publicat în editură din țară, recunoscută CNCS</b></p>
	<p><b>Cb13.</b> Ivas Dumitru, <b>Bogdan-Constantin Neagu</b>, Atudori Monica, <i>100 de ani de învățământ electrotehnic la Iași</i>, capitol în cartea Formarea specialiștilor sistemului energiei electrice și termice din România, coord. Zonel Vasiliu, Editura AGIR, București, România, 2017, ISBN 978-973-720-680-0, (103 pag. Neagu B.C.).</p>
	<p><b>Cb14.</b> Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b>, <i>Analiza regimurilor permanente de funcționare ale rețelelor electrice din sistemul electroenergetic</i>, Vol. 2, Ed. PIM, Iași, 2014, (596 pag), ISBN 978-606-13-2128-5.</p>
	<p><b>Cb15.</b> Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b>, <i>Analiza regimurilor permanente de funcționare ale rețelelor electrice din sistemul electroenergetic</i>, Vol. 1, Ed. PIM, Iași, 2014, (568 pag), ISBN 978-606-13-2127-8.</p>
	<p><b>Cb16.</b> Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b>, <i>Proiectarea și exploatarea asistată de calculator a sistemelor publice de repartiție și distribuție a energiei electrice</i>, Vol. 2, Editura Pim, Iași, 2012, (566 pag.), ISBN 978-606-13-088-6-6.</p>
	<p><b>Cb17.</b> Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b>, Romeo Ciobanu, <i>Proiectarea și exploatarea asistată de calculator a sistemelor publice de repartiție și distribuție a energiei electrice</i>, Vol. 1, partea a-II-a, Ed. Pim, Iași, 2011, (586 pag), ISBN 978-606-13-0148-5.</p>
	<p><b>Cb18.</b> Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b>, <i>Proiectarea și exploatarea asistată de calculator a sistemelor publice de repartiție și distribuție a energiei electrice</i>, Vol. 1, partea I-a, Ed. Fundației Academice AXIS, Iași, 2010, (452 pag), ISBN 978-973-7742-87-2.</p>
	<p><b>Articol publicat în revistă cotate ISI, cu factor de impact</b></p>
R	<p>R1. Baiceanu, Florin-Constantin, Ovidiu Ivanov, Razvan-Constantin Beniuga, <b>Bogdan-Constantin Neagu</b>, and Ciprian-Mircea Nemes. "A Continuous Multistage Load Shedding Algorithm for Industrial Processes Based on Metaheuristic Optimization." <i>Mathematics</i> 11, no. 12 (2023): 2684, WOS:001017561300001.</p>
	<p>R2. Banu, Ioan Viorel, Fadila Barkat, Marcel Istrate, Josep M. Guerrero, George Culea, Petru Livinti, Justina G. Motas, <b>Bogdan Neagu</b>, and Dragos Andrioaia. "Passive anti-Islanding protection for Three-Phase Grid-Connected photovoltaic power systems." <i>International Journal of Electrical Power &amp; Energy Systems</i> 148 (2023): 108946, WOS:001009658800001.</p>
	<p>R3. Jasim, Ali M., Basil H. Jasim, <b>Bogdan-Constantin Neagu</b>, and Simo Attila. "Electric Vehicle Battery-Connected Parallel Distribution Generators for Intelligent Demand Management in Smart Microgrids." <i>Energies</i> 16, no. 6 (2023): 2570, WOS:000957982400001.</p>

R4. Jasim, Ali M., Basil H. Jasim, Florin-Constantin Baiceanu, and Bogdan-Constantin Neagu. "Optimized sizing of energy management system for off-grid hybrid solar/wind/battery/biogasifier/diesel microgrid system." <i>Mathematics</i> 11, no. 5 (2023): 1248, WOS:000947061400001.
R5. Grigoraş, Gheorghe, Maria Simona Raboaca, Catalin Dumitrescu, Daniela Lucia Manea, Traian Candin Mihaltan, Violeta-Carolina Niculescu, and Bogdan Constantin Neagu. "Contributions to power grid system analysis based on clustering techniques." <i>Sensors</i> 23, no. 4 (2023): 1895., WOS:000942301200001
R6. Jasim, Ali M., Basil H. Jasim, Bogdan-Constantin Neagu, and Bilal Naji Alhasnawi. "Efficient optimization algorithm-based demand-side management program for smart grid residential load." <i>Axioms</i> 12, no. 1 (2022): 33, WOS:000916714000001
R7. Jasim, Ali M., Basil H. Jasim, Bogdan-Constantin Neagu, and Bilal Naji Alhasnawi. "Coordination control of a hybrid AC/DC smart microgrid with online fault detection, diagnostics, and localization using artificial neural networks." <i>Electronics</i> 12, no. 1 (2022): 187, WOS:000909939000001.
R8. Parekh, Raj, Nisarg Patel, Rajesh Gupta, Nilesh Kumar Jadav, Sudeep Tanwar, Abdullah Alharbi, Amr Tolba, Bogdan-Constantin Neagu, and Maria Simona Raboaca. "Gefl: gradient encryption-aided privacy preserved federated learning for autonomous vehicles." <i>IEEE Access</i> 11 (2023): 1825-1839, WOS:000912466100001.
R9. Jasim, Ali M., Basil H. Jasim, and Bogdan-Constantin Neagu. "A new decentralized PQ control for parallel inverters in grid-tied microgrids propelled by SMC-based buck–boost converters." <i>Electronics</i> 11, no. 23 (2022): 3917., WOS:000896559100001
R10. Kakkar, Riya, Rajesh Gupta, Smita Agrawal, Sudeep Tanwar, Ravi Sharma, Ahmed Alkhayat, Bogdan-Constantin Neagu, and Maria Simona Raboaca. "A Review on Standardizing Electric Vehicles Community Charging Service Operator Infrastructure." <i>Applied Sciences</i> 12, no. 23 (2022): 12096, WOS:000895667400001.
R11. Munshi, Manushi, Manan Patel, Fayez Alqahtani, Amr Tolba, Rajesh Gupta, Nilesh Kumar Jadav, Sudeep Tanwar, Bogdan-Constantin Neagu, and Alin Dragomir. "Artificial Intelligence and Exploratory-Data-Analysis-Based Initial Public Offering Gain Prediction for Public Investors." <i>Sustainability</i> 14, no. 20 (2022): 13406, WOS:000875076600001
R12. Hathaliya, Jigna, Hetav Modi, Rajesh Gupta, Sudeep Tanwar, Fayez Alqahtani, Magdy Elghatwary, Bogdan-Constantin Neagu, and Maria Simona Raboaca. "Stacked Model-Based Classification of Parkinson's Disease Patients Using Imaging Biomarker Data." <i>Biosensors</i> 12, no. 8 (2022): 579, WOS:000846329700001
R13. Hathaliya, Jigna, Raj Parekh, Nisarg Patel, Rajesh Gupta, Sudeep Tanwar, Fayez Alqahtani, Magdy Elghatwary, Ovidiu Ivanov, Maria Simona Raboaca, and Bogdan-Constantin Neagu. "Convolutional neural network-based Parkinson disease classification using SPECT imaging data." <i>Mathematics</i> 10, no. 15 (2022): 2566, WOS:000839840600001.
R14. Mankodiya, Harsh, Priyal Palkhiwala, Rajesh Gupta, Nilesh Kumar Jadav, Sudeep Tanwar, Bogdan-Constantin Neagu, Gheorghe Grigoras, Fayez Alqahtani, and Ahmed M. Shehata. "A Real-Time Crowdsensing Framework for Potential COVID-19 Carrier Detection Using Wearable Sensors." <i>Mathematics</i> 10, no. 16 (2022): 2927, WOS:000846574300001.
R15. Kaur, Manpreet, Shikha Gupta, Deepak Kumar, Chaman Verma, Bogdan-Constantin Neagu, and Maria Simona Raboaca. "Delegated proof of accessibility (dpoac): A novel consensus protocol for blockchain systems." <i>Mathematics</i> 10, no. 13 (2022): 2336, WOS:000825546600001.
R16. Kumar, Sandeep, Shilpa Rani, Arpit Jain, Chaman Verma, Maria Simona Raboaca, Zoltán Illés, and Bogdan Constantin Neagu. "Face spoofing, age, gender and facial expression recognition using advance neural network architecture-based biometric system." <i>Sensors</i> 22, no. 14 (2022): 5160, WOS:000832360000001.
R17. Sandesara, Mudita, Umesh Bodkhe, Sudeep Tanwar, Mohammad Dahman Alshehri, Ravi Sharma, Bogdan-Constantin Neagu, Gheorghe Grigoras, and Maria Simona Raboaca. "Design and Experience of Mobile Applications: A Pilot Survey." <i>Mathematics</i> 10, no. 14 (2022): 2380, WOS:000831458500001.

R18.Mankodiya, Harsh, Dhairya Jadav, Rajesh Gupta, Sudeep Tanwar, Abdullah Alharbi, Amr Tolba, Bogdan-Constantin Neagu, and Maria Simona Raboaca. "XAI-Fall: Explainable AI for Fall Detection on Wearable Devices Using Sequence Models and XAI Techniques." Mathematics 10, no. 12 (2022): 1990, WOS:000817495000001.
R19.Tanwar, Sudeep, Aparna Kumari, Darshan Vekaria, Maria Simona Raboaca, Fayez Alqahtani, Amr Tolba, Bogdan-Constantin Neagu, and Ravi Sharma. "GrAb: A deep learning-based data-driven analytics scheme for energy theft detection." Sensors 22, no. 11 (2022): 4048, WOS:000809925300001.
R20.Kalariya, Vasu, Pushpendra Parmar, Patel Jay, Sudeep Tanwar, Maria Simona Raboaca, Fayez Alqahtani, Amr Tolba, and Bogdan-Constantin Neagu. "Stochastic neural networks-based algorithmic trading for the cryptocurrency market." Mathematics 10, no. 9 (2022): 1456, WOS:000794848300001.
R21.Grigoraş, Gheorghe, Bogdan-Constantin Neagu, Ovidiu Ivanov, Bogdan Livadariu, and Florina Scarlatache. "A New SQP Methodology for Coordinated Transformer Tap Control Optimization in Electric Networks Integrating Wind Farms." Applied Sciences 12, no. 3 (2022): 1129, WOS:000754870900001.
R22.Chelaru, Ecaterina, Livia Noroc, Gheorghe Grigoras, and Bogdan-Constantin Neagu. "Energy Losses Estimation in the Electric Distribution Networks Using Clustering-Based Selection of the Representative Feeders." In International Conference Interdisciplinarity in Engineering, pp. 508-521. Cham: Springer International Publishing, 2021, WOS:000773080200047 .
R23.Ovidiu Ivanov; <b>Bogdan-Constantin Neagu</b> ; Gheorghe Grigoras; Scarlatache, Florina; Gavrilas, Mihai, A Metaheuristic Algorithm for Flexible Energy Storage Management in Residential Electricity Distribution Grids. Mathematics 2021, 9, 2375. WOS:000628360103201
R24.Gherghe Grigoras, <b>Bogdan-Constantin Neagu</b> , Florina Scarlatache, Livia Noroc, Ecaterina Chelaru, Bi-Level Phase Load Balancing Methodology with Clustering-Based Consumers' Selection Criterion for Switching Device Placement in Low Voltage Distribution Networks, Mathematics, vol. 9, nr. 5, 542, 2021, Accession Number: WOS:000628360100001
R25.Gheorghe Grigoraş, Livia Noroc, Ecaterina Chelaru, Florina Scarlatache, <b>Bogdan-Constantin Neagu</b> , Ovidiu Ivanov, Mihai Gavrilas, Coordinated Control of Single-Phase End-Users for Phase Load Balancing in Active Electric Distribution Networks, Mathematics, vol. 9, nr. 21, 2662, 2021, Accession Number: WOS:000719474900001 (Q1)
R26.Alexandru Kriukov, Mihai Gavrilas, Ovidiu Ivanov, Gherghe Grigoras, <b>Bogdan-Constantin Neagu</b> , Florina Scarlatache, Novel Decentralized Voltage-Centered EV Charging Control Algorithm Using DSRC System in Low Voltage Distribution Networks, IEEE Access (Early Access), Decembrie 2021, doi: 10.1109/ACCESS.2021.3132419 (Q2)
R27.Ovidiu Ivanov, <b>Bogdan-Constantin Neagu</b> , Mihai Gavrilas, Gheorghe Grigoras, A Phase Generation Shifting Algorithm for Prosumer Surplus Management in Microgrids using Inverter Automated Control, Electronics, vol. 10, nr. 22, 2740, 2021, WOS:000727513800001 (Q3)
R28.Gheorghe Grigoras, <b>Bogdan-Constantin Neagu</b> , An Advanced Decision Support Platform in Energy Management to Increase Energy Efficiency for Small and Medium Enterprises, Applied Sciences, 2020, 10, 3505. Accession Number: WOS:000541440000166
R29.Gheorghe Grigoras, <b>Bogdan-Constantin Neagu</b> , Mihai Gavrilas, Ion Triştiu, Constantin Bulac, Optimal Phase Load Balancing in Low Voltage Distribution Networks using a Smart Meter Data-based Algorithm, Mathematics, 2020, 8, 549. Accession Number: WOS: 000531824100089
R30.Florina Scarlatache, Gheorghe Grigoras, Vlad-Andrei Scarlatache, <b>Bogdan-Constantin Neagu</b> , Ovidiu Ivanov, A Hybrid Methodology Based on Smart Management Energy Consumption in Irrigation Systems, Electronics, vol. 10, nr. 22, 2864, 2021, WOS:000727225500001 (Q3)
R31. <b>Bogdan-Constantin Neagu</b> , Ovidiu Ivanov, Gheorghe Grigoras, Mihai Gavrilas, Marcel Istrate, New Market Model with Social and Commercial Tiers for Improved Prosumer Trading in Microgrids. Sustainability 2020, 12, 7265, WOS:000584284700001.

R32. <b>Bogdan-Constantin Neagu</b> , Ovidiu Ivanov, Gheorghe Grigoras, Mihai Gavrilas, A New Vision on the Prosumers Energy Surplus Trading Considering Smart Peer-to-Peer Contracts. Mathematics, 2020, 8, 235. Accession Number: WOS:000519234000090
R33. Ovidiu Ivanov, Samiran Chattopadhyay, Soumya Banerjee, <b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoras, Mihai Gavrilas, A Novel Algorithm with Multiple Consumer Demand Response Priorities in Residential Unbalanced LV Electricity Distribution Networks, Mathematics, 2020, 8, 1220. Accession Number: WOS:000567310900001
R34. Gheorghe Grigoras, <b>Bogdan-Constantin Neagu</b> , Smart Meter Data-Based Three-Stage Algorithm to Calculate Power and Energy Losses in Low Voltage Distribution Networks. Energies 2019, 12, 3008, Accession Number: WOS:000482174800167
R35. Ovidiu Ivanov, <b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoras, Mihai Gavrilas, Optimal Capacitor Bank Allocation in Electricity Distribution Networks Using Metaheuristic Algorithms. Energies 2019, 12, 4239, Accession Number: WOS:000504898500017
R36. Serișan G.-C., Enache B.-A., Grigorescu S.-D., Pașurcă S. V., Cepișcă C., Vasiliki V., Porumb R., <b>Bogdan-Constantin Neagu</b> , Ghiculescu D., <i>Improvement of Teaching Activities in Higher Education: A Case Study</i> , Revue roumaine des sciences techniques. Série Électrotechnique et Énergétique, Tome 64, Issue 2, pp. 169-172, 2019, Accession Number: WOS:000567310900001
<b>Articol publicat în revistă indexată în baze de date internaționale (BDI)</b>
R37. <b>Bogdan-Constantin Neagu</b> , Ovidiu Ivanov, Gheorghe Grigoras, Mihai Gavrilas, Short-term Load Forecast Approach Based on Artificial Neural Networks, Buletinul Institutului Politehnic din Iași, Secția: Electrotehnică, Energetică, Electronică, Volumul 65 (69), Fasc. 2, pp. 9-22, 2019, ISSN 1223-8139 (Index Copernicus, getCITED, Ulrich's), cod CNCSIS: 87 <a href="http://www.bulipi-eee.tuiasi.ro/archive/2019/fasc.2/p1_f2_2019.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2019/fasc.2/p1_f2_2019.pdf</a> .
R38. Nicusor Toma, Mihai Gavrilas, <b>Bogdan-Constantin Neagu</b> , Application of smart metering systems for energy losses assessment and forecasting in distribution systems, Prace Naukowe Politechniki Śląskiej. Elektryka, Wydawnictwo Politechniki Śląskiej, nr. 1, pp. 51-57, Polonia, 2018, (Index Copernicus, getCITED, Ulrich's).
R39. Vladut Birjar, <b>Bogdan-Constantin Neagu</b> , Mugurel Rotariu, A Load Flow Comparative Analysis using Commercial Power Systems Tools, Buletinul Institutului Politehnic din Iași, secția Electrotehnică. Energetică. Electronică, Vol. 64 (68), No. 4, 2018, ISSN 1223-8139, p. 139-148 (CNCSIS B+, Index Copernicus, Ulrich's), <a href="http://www.bulipi-eee.tuiasi.ro/archive/2018/fasc.4/2018f4contents.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2018/fasc.4/2018f4contents.pdf</a> .
R40. <b>Bogdan-Constantin Neagu</b> , Mugurel Rotariu, An Intelligent Solution for Power Losses Minimization in Electric Distribution Systems, Buletinul Institutului Politehnic din Iași, secția Electrotehnică. Energetică. Electronică, Vol. 63 (67), No. 4, 2017, ISSN 1223-8139, p. 79-92 (CNCSIS B+, Index Copernicus, Ulrich's), <a href="http://www.bulipi-eee.tuiasi.ro/archive/2016/fasc.2/2017f4contents.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2016/fasc.2/2017f4contents.pdf</a>
R41. <b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Ovidiu Ivanov, Determining Additional Power and Energy Losses in Low Voltage Electricity Distribution Networks Operated in Distorted and Unbalanced Operation States, Buletinul Institutului Politehnic din Iași, secția Electrotehnică. Energetică. Electronică, Vol. 63 (67), No. 1, 2017, ISSN 1223-8139, pp. 97-110 (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), <a href="http://www.bulipi-eee.tuiasi.ro/archive/2017/fasc.2/p8_f1_2017.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2017/fasc.2/p8_f1_2017.pdf</a> .
R42. Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , Ovidiu Ivanov, The Evaluation of Active Power Losses in Low Voltage Distribution Systems Operated in Distorting Steady State, Buletinul Institutului Politehnic din Iași, secția Electrotehnică. Energetică. Electronică, Vol. 62 (66), No. 2, 2016, ISSN 1223-8139, p. 97-109 (CNCSIS B+, Index Copernicus), <a href="http://www.bulipi-eee.tuiasi.ro/archive/2016/fasc.2/2016f2contents.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2016/fasc.2/2016f2contents.pdf</a>
R43. <b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Ovidiu Ivanov, Voltage Quality Analysis in Low Voltage Public Electric Distribution Networks Operated in Distorted and Unbalanced Conditions, Buletinul Institutului Politehnic din Iași, secția Electrotehnică. Energetică. Electronică, Vol. 62 (66), No. 2, 2016, p. 81-95 (CNCSIS B+, Index Copernicus), <a href="http://www.bulipi-eee.tuiasi.ro/archive/2016/fasc.2/2016f2contents.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2016/fasc.2/2016f2contents.pdf</a>

R44.	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Aspecte privind funcționarea rețelelor electrice de distribuție de joasă tensiune în regim permanent nesinusoidal, Revista Energetica, nr. 2, pp. 60-64, 2016 (CNCSIS B+, Index Copernicus), <a href="http://ire.ro/assets/Resources/2016/Numarul%202/energetica-02-2016.pdf">http://ire.ro/assets/Resources/2016/Numarul%202/energetica-02-2016.pdf</a> .
R45.	Gheorghe Grigoraș, <b>Bogdan-Constantin Neagu</b> , Market Clearing Price Forecasting in Deregulated Electricity Markets Using a Fuzzy Approach, Acta Electrotehnica, Vo. 56, Nr. 3, pp. 113-116, 2015, ISSN : 1841-3323 (EBSCO) - cod CNCSIS: 576.
R46.	<b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoraș, Data Mining Tools in Electricity Distribution Systems, Acta Electrotehnica, Vol. 56, Nr. 3, pp. 209-212, 2015, ISSN : 1841-3323 (EBSCO) - cod CNCSIS: 576.
R47.	Mugurel Rotariu, <b>Bogdan-Constantin Neagu</b> , Human Factor Modelling Using Markov Method, Buletinul Institutului Politehnic din Iași, Tomul LXI (LXV), Fasc. 4, pp. 117-132, 2015. (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), ISSN 1223-8139, <a href="http://www.bulipi-eee.tuiasi.ro/archive/2015/fasc.4/p10_f4.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2015/fasc.4/p10_f4.pdf</a> .
R48.	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , Influence of the Thermal Power Plant Withdrawal on 110 kV Network Steady State, Buletinul Institutului Politehnic din Iași, Tomul LXI (LXV), Fasc. 2, pp. 103-115, 2015. (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), <a href="http://www.bulipi-eee.tuiasi.ro/archive/2015/fasc.2/p10_f">http://www.bulipi-eee.tuiasi.ro/archive/2015/fasc.2/p10_f</a>
R49.	Razvan Pricope, <b>Bogdan-Constantin Neagu</b> , Optimal Reconfiguration of a Wind Farm Power Distribution Network, Buletinul Institutului Politehnic din Iași, Tomul LXI (LXV), Fasc. 2, pp. 91-102, 2015. (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), ISSN 1223-8139, <a href="http://www.bulipi-eee.tuiasi.ro/archive/2015/fasc.2/p9_f2_2015.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2015/fasc.2/p9_f2_2015.pdf</a> .
R50.	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , Mathematic Model and Application for Harmonic Steady-State of the Power Transmission Line, Buletinul Institutului Politehnic din Iași, Tomul LXI (LXV), Fasc. 1, pp. 79-98, 2015. (CNCSIS B+, Index Copernicus), <a href="http://www.bulipi-eee.tuiasi.ro/archive/2015/fasc.1/p8_f1_2015.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2015/fasc.1/p8_f1_2015.pdf</a> .
R51.	<b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoraș, Florina Scarlatache, Managementul sarcinii în contextul integrării contorizării inteligente în rețelele electrice de distribuție, Revista Energetica, nr. 4, vol. 71, pp. 82-88, 2015, ISSN 1453-2360 (CNCSIS B+, Index Copernicus),
R52.	Florina Scarlatache, Gheorghe Grigoraș, <b>Bogdan-Constantin Neagu</b> , Impactul generării distribuite asupra reglajului de tensiune in rețelele electrice de distributie, Revista Energetica, Vol. 62, ISSN: 1453-2360, nr. 3, pp. 105-110, 2014(CNCSIS B+, Index Copernicus).
R53.	<b>Bogdan-Constantin Neagu</b> , Power Flow Optimization Using Booster Transformers in High Voltage Distribution Networks, Buletinul Institutului Politehnic din Iași, Tomul LX (LXIV), Fasc. 3, pp. 95-105, 2014. (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), ISSN 1223-8139, <a href="http://www.bulipi-eee.tuiasi.ro/archive/2014/fasc.1/p9_f3_2014.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2014/fasc.1/p9_f3_2014.pdf</a> .
R54.	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , Monitoring Possibilities and Steady-State Analysis of Electric Energy Repartition Networks, Buletinul Institutului Politehnic din Iași, Tomul LX (LXIV), Fasc. 2, pp. 93-109, 2014. (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), <a href="http://www.bulipi-eee.tuiasi.ro/archive/2014/fasc.2/p6_f22014.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2014/fasc.2/p6_f22014.pdf</a> .
R55.	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Possibilities of Load Curves Modelling in Electric Energy Distribution Networks, Buletinul Institutului Politehnic din Iași, Tomul LX (LXIV), Fasc. 1, pp. 89-102, 2014. (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), <a href="http://www.bulipi-eee.tuiasi.ro/archive/2014/fasc.1/p8_f1_2014.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2014/fasc.1/p8_f1_2014.pdf</a> .
R56.	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, A Comparative Study Regarding the Efficiency of Technical Losses Evaluation Methods in Low Voltage Electricity Networks, The 4th International Symposium on Electrical Engineering and Energy Converters – WESC 2012, Suceava, Buletinul AGIR nr. 3, pp. 603-610, 2012 (Index Copernicus, getCITED) <a href="http://www.agir.ro/buletine/1443.pdf">http://www.agir.ro/buletine/1443.pdf</a> .
R57.	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Optimization possibilities for radial electric energy distribution network routes, Buletinul Institutului Politehnic din Iași, Tomul LIX (LXIII), Fasc. 1, pp.133-142, 2013 (CNCSIS B+, Index Copernicus,

	getCITED, Ulrich's), <a href="http://www.bulipi-eee.tuiasi.ro/archive/2013/fasc.1/p12_f1_2013.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2013/fasc.1/p12_f1_2013.pdf</a> .
R58.	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Mircea Dan Gușă, Aspecte privind o serie de modele matematice și programe de calcul destinate evaluării în exploatare a pierderilor tehnice în elementele rețelelor publice de distribuție în regimurile simetrice, Revista Tehnologiile Energiei. Producerea, transportul și distribuția energiei electrice, nr. 7, pp. 7-17, 2013 (CNCSIS B+, Index Copernicus), <a href="http://www.icemenerg.ro/RevistaTehnologiileEnergiei/RevTE%20rezrom%202013.htm">http://www.icemenerg.ro/RevistaTehnologiileEnergiei/RevTE%20rezrom%202013.htm</a> .
R59.	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , Eduard Pavelescu, The Economic Usability Factor Analysis of Power Transformer from Electric Energy Repartition Systems, Bul. Institut. Politehnic din Iași, Tomul LIX (LXIII), Fasc. 1, pp. 119-132, 2013 (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), ISSN 1223-8139, <a href="http://www.bulipi-eee.tuiasi.ro/archive/2013/fasc.2/p7_f2_2013.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2013/fasc.2/p7_f2_2013.pdf</a> .
R60.	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , Eduard Pavelescu, The Economic Usability Factor Analysis of 110 kV Lines from Electric Energy Repartition Systems, Buletinul Institutului Politehnic din Iași, Tomul LIX (LXIII), Fasc. 2, pp.75-92, 2013 (CNCSIS B+, INSPEC, Index Copernicus, getCITED, Ulrich's), ISSN 1223-8139, <a href="http://www.bulipi-eee.tuiasi.ro/archive/2013/fasc.1/p11_f1_2013.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2013/fasc.1/p11_f1_2013.pdf</a> .
R61.	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Ovidiu Ivanov, A New Approach for Electric Energy Distribution Network Routes Optimization, Buletinul Institutului Politehnic din Iași, Tomul LIX (LXIII), Fasc. 3, 2013, ISSN 1223-8139, p. 129-140 (ISI, INSPEC) <a href="http://www.bulipi-eee.tuiasi.ro/archive/2013/fasc.3/2013f3sumar.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2013/fasc.3/2013f3sumar.pdf</a>
R62.	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, A Comparative Study Regarding the Efficiency of Technical Losses Evaluation Methods in Low Voltage Electricity Networks, The 4th International Symposium on Electrical Engineering and Energy Converters – WESC 2012, Suceava, Buletinul AGIR nr. 3, pp. 603-610, 2012 (CNCSIS B+, Index Copernicus) – ( <a href="http://www.buletinulagir.agir.ro/articol.php?id=1443">www.buletinulagir.agir.ro/articol.php?id=1443</a> ).
R63.	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Mircea Dan Gușă, Distorting State Analysis in Electric Energy Distribution Networks, Buletinul Institutului Politehnic din Iași, Tomul LVIII (LXII), Fasc. 4, pp. 97-108, 2012 (ISI, Index Copernicus), ISSN 1223-8139, <a href="http://www.bulipi-eee.tuiasi.ro/archive/2012/fasc.4/p10_f4_2012.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2012/fasc.4/p10_f4_2012.pdf</a> .
R64.	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , Power Quality and Reactive Power Sources Management from Distribution Dispatch Point of View at Distribution Operator Level, Buletinul Institutului Politehnic din Iași, Tomul LVIII (LXII), F. 1, pp. 125-138, 2012 (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), ISSN 1223-8139, <a href="http://www.bulipi-eee.tuiasi.ro/archive/2012/fasc.1/p12_f1_2012.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2012/fasc.1/p12_f1_2012.pdf</a>
R65.	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , Aspects Regarding the Power Quality in Electric Energy Repartition and Distribution Systems, Buletinul Institutului Politehnic din Iași, Tomul LVIII (LXII), Fasc. 3, pp. 265-270, 2012 (CNCSIS B+, Index Copernicus), <a href="http://www.bulipi-eee.tuiasi.ro/archive/2012/fasc.3/p14_f3_2012.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2012/fasc.3/p14_f3_2012.pdf</a> .
R66.	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Mircea Dan Gușă, Mathematical Methods for Technical Active Power and Energy Loss Evaluation in Operation Using Typical Load Profiles of the Consumers from Repartition Systems, 4th International Conference on Modern Power Systems – MPS 2011, pp. 139-142, 2011(Ulrich's) <a href="https://ie.utcluj.ro/files/a/2011/Number5/Cuprins%20Proceedings%20MPS%202011.pdf">https://ie.utcluj.ro/files/a/2011/Number5/Cuprins%20Proceedings%20MPS%202011.pdf</a> .
R67.	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Mircea Dan Gușă, Load Curves Characteristics of Consumers Supplied from Electricity Repartition and Distribution Public Systems, Buletinul Institutului Politehnic din Iași, Tomul LVII (LXI), F. 1, 2011, pp. 141-157 (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), ISSN 1223-8139, <a href="http://www.bulipi-eee.tuiasi.ro/archive/2011/fasc.1/p12_f1_2011.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2011/fasc.1/p12_f1_2011.pdf</a> .
R68.	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Issues of Load Forecast and Consumption Profiling Process in Electricity Repartition and Distribution Systems,



	The 4th International Symposium on Electrical Engineering and Energy Converters – ELS 2011, Suceava, pp. 215-220 (Index Copernicus), <a href="http://www.agir.ro/buletine/1071.pdf">http://www.agir.ro/buletine/1071.pdf</a>
R69.	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , Opportunities Evaluation in Operation of the Technical Losses Under Load from Low Voltage Networks in Symmetric State, Buletinul Institutului Politehnic din Iași, Tomul LVII (LXI), F. 5, pp. 159-174, 2011, (Index Copernicus), <a href="http://www.bulipi-eee.tuiasi.ro/archive/2011/fasc.2/p12_f2_2011.pdf">www.bulipi-eee.tuiasi.ro/archive/2011/fasc.2/p12_f2_2011.pdf</a> .
R70.	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, The Load Curves Profiling and their Parameters of Different Consumer Categories Supplied from Electric Energy Repartition and Distribution Systems, Bul.Instit. Polit. Iași, Tomul LVII, F. 4, 2011, pp. 167-178 (Index Copernicus), <a href="http://www.bulipi-eee.tuiasi.ro/archive/2011/fasc.4/p18_f4_2011.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2011/fasc.4/p18_f4_2011.pdf</a> .
R71.	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , Some Aspects Concerning the Mathematical Models and Software Application for Evaluation of Technical Losses in Operation of Medium Voltage Public Distribution Networks, Buletinul Institutului Politehnic din Iași, Tomul LVII (LXI), F. 5, pp.129-144, 2011 (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), ISSN 1223-8139, <a href="http://www.bulipi-eee.tuiasi.ro/archive/2011/fasc.5/p15_f5_2011.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2011/fasc.5/p15_f5_2011.pdf</a> .
R72.	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , Aspects Regarding the Improvement of Supply Quality in Public Electricity Distribution Systems, Buletinul Institutului Politehnic din Iași, Tomul LVI (LX), F. 3, pp. 83-94, 2010 (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), ISSN 1223-8139, <a href="http://www.bulipi-eee.tuiasi.ro/archive/2010/fasc.3/en/r9_f3_2010.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2010/fasc.3/en/r9_f3_2010.pdf</a>
R73.	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Load and Energy Forecast on a Proximate, Medium and Long Horizon in Public Electricity Repartition and Distribution Systems, Buletinul Institutului Politehnic din Iași, Tomul LVI (LX), Fasc. 3, 2010, pp. 71-82 (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), ISSN 1223-8139, <a href="http://www.bulipi-eee.tuiasi.ro/archive/2010/fasc.3/en/r8f3_2010en.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2010/fasc.3/en/r8f3_2010en.pdf</a> .
R74.	Gheorghe Georgescu, Viorel Varvara, <b>Bogdan-Constantin Neagu</b> , The Estimation of the Voltage Level in Public Electric Energy Repartition Networks Using Artificial Neuronal Networks, Buletinul Institutului Politehnic din Iași, Tomul LV (LIX), F. 3, pp. 111-122, 2009 (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), ISSN 1223-8139, <a href="http://www.bulipi-eee.tuiasi.ro/archive/2009/fasc.3/en/r10f3_2009en.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2009/fasc.3/en/r10f3_2009en.pdf</a>
R75.	Gheorghe Georgescu, Viorel Varvara, <b>Bogdan-Constantin Neagu</b> , The Estimation and Time Evolution of the Distortion State in Public Electric Energy Repartition and Distribution Systems, Buletinul Institutului Politehnic din Iași, Tomul LV (LIX), F. 4, pp. 99-111, 2009 (CNCSIS B+, Index Copernicus), ISSN 1223-8139, <a href="http://www.bulipi-eee.tuiasi.ro/archive/2009/fasc.4/en/r9_f42009_en.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2009/fasc.4/en/r9_f42009_en.pdf</a>
	<b>Articol/studiu publicat în revistă de specialitate neindexată în baze de date</b>
R76.	Luca M. A., <b>Neagu B.C.</b> , Grigoras G., <i>Optimizarea amplasării prosumatorilor în microrețele pentru reducerea pierderilor de energie activă</i> , International Symposium "Brainstorming in Agora Students' Scientific Circle" BACStud2019, Băile Felix, Oradea, Romania, 2019, <a href="http://univagora.ro/m/filer_public/2019/09/17/program_bacstud2019.pdf">http://univagora.ro/m/filer_public/2019/09/17/program_bacstud2019.pdf</a> .
R77.	Vasîlachi A., <b>Neagu B.C.</b> , Grigoras G., <i>Minimizarea pierderilor de energie activă în rețelele electrice de joasă tensiune prin echilibrarea încărcării fazelor</i> , International Symposium "Brainstorming in Agora Students' Scientific Circle" BACStud2019, Băile Felix, Oradea, Romania, 2019, <a href="http://univagora.ro/m/filer_public/2019/09/17/program_bacstud2019.pdf">http://univagora.ro/m/filer_public/2019/09/17/program_bacstud2019.pdf</a> .
R78.	Luca M.A., <b>Neagu B.C.</b> , Grigoras G., <i>Soluții optime de conectare a consumatorilor în microrețele pentru minimizarea pierderilor de putere și energie activă</i> , Simpozionul "Energie – Resurse – Mediu al Studenților Orădeni "SERMStudo 2019, Stâna de Vale, Oradea, Romania, 2019, <a href="http://sermstudo.energetica-oradea.ro/download/2019/Program-sustinere-lucrari-SERMStudo2019.pdf">http://sermstudo.energetica-oradea.ro/download/2019/Program-sustinere-lucrari-SERMStudo2019.pdf</a> .
R79.	Vasîlachi A., Grigoras G., <b>Neagu B.C.</b> , <i>Echilibrarea optimală a încărcării fazelor în rețelele electrice de distribuție de joasă tensiune</i> , Simpozionul "Energie – Resurse – Mediu al Studenților Orădeni "SERMStudo 2019, Stâna de Vale,

	Oradea, Romania, 2019, <a href="http://sermstudo.energetica-oradea.ro/download/2019/Program-sustinere-lucrari-SERMSTudo2019.pdf">http://sermstudo.energetica-oradea.ro/download/2019/Program-sustinere-lucrari-SERMSTudo2019.pdf</a> .
	R80. <b>Neagu B.C.</b> , Georgescu Gh., Aspecte privind funcționarea rețelelor electrice de distribuție de joasă tensiune în regim permanent nesinusoidal, Revista Energetica, nr. 2, pp. 60-64, 2016, ISSN1453-2360, <a href="http://www.ire.ro/assets/Resources/2016/Numarul%202/energetica-02-2016.pdf">www.ire.ro/assets/Resources/2016/Numarul%202/energetica-02-2016.pdf</a> .
	R81. <b>Neagu B.C.</b> , Grigoraș Gh., Scarlatache FI., Managementul sarcinii în contextul integrării contorizării inteligente în rețelele electrice de distribuție, Revista Energetica, nr. 4, vol. 71, pp. 82-88, 2015, ISSN 1453-2360.
	R82. Scarlatache FI., Grigoraș Gh., <b>Neagu B.C.</b> , Impactul generării distribuite asupra reglajului de tensiune în rețelele electrice de distribuție, Revista Energetica, Vol. 62, ISSN: 1453-2360, nr. 3, pp. 105-110, 2014.
	R83. <b>Neagu B.C.</b> , Georgescu Gh., Gușă M.D., Aspecte privind o serie de modele matematice și programe de calcul destinate evaluării în exploatarea a pierderilor tehnice în elementele rețelelor publice de distribuție în regimurile simetrice, Revista Tehnologiile Energiei. Producerea, transportul și distribuția energiei electrice, nr. 7, pp. 7-17, 2013 ISSN 1842-7189, (CNCSIS B), <a href="http://www.icemenerg.ro/Revista%20Tehnologiile%20Energiei/RevTE%0rezrom%202013">http://www.icemenerg.ro/Revista%20Tehnologiile%20Energiei/RevTE%0rezrom%202013</a> .
<b>B</b>	<b>Cereri de brevet de invenție în țară</b>
	<b>B1.</b> Gheorghe Grigoraș, Ovidiu Ivanov, <b>Bogdan-Constantin Neagu</b> , Florina Scarlatache, Mihai Gavrilaș, <i>Software platform for decision assistance in optimal ecological designing of electric systems, has data archiving module that allows quick identification of common characteristics of designs using data base exploring techniques</i> , Patent Number(s): RO133527-A0, 2018, Patent Assignee Name(s) and Code(s): UNIV IASI TEHNICA ASACHI GHEORGHE (UYIA-Non-standard), Derwent Primary Accession Number: 2019-68377H.
	<b>B2.</b> Gheorghe Grigoraș, Ovidiu Ivanov, <b>Bogdan-Constantin Neagu</b> , Mihai Gavrilaș, Florina Scarlatache, <i>Software platform for integrated management and control of electric energy and natural gas consumption, has fourth module that is adapted for programming energy consumption based on energy consumption profiles of equipment</i> , Patent Number(s): RO132688-A0, 2017, Patent Assignee Name(s) and Code(s): UNIV IASI TEHNICA ASACHI GHEORGHE (UYIA-Non-standard), Derwent Primary Accession Number: 2019-29111P
	<b>B3.</b> <b>Bogdan-Constantin Neagu</b> , Bogdan Turcu, Andrei Cibotărică, - <i>Innovative Decision-Making Assistance Method Oriented to Improving Prosumers' Activitay Management</i> , Patent Number(s): RO135129-A2, 2021, Patent Assignee Name(s) and Code(s): UNIV IASI TEHNICA ASACHI GHEORGHE (UYIA-Non-standard), Derwent Primary Accession Number: 2021-29561P
	<b>TOTAL</b>
<b>V</b>	<b>Articol/studiu publicat în volumul unei manifestări științifice indexate în baze de date internaționale (BDI)</b>
	V1. Vasilica Dandea, Gheorghe Grigoraș, <b>Bogdan-Constantin Neagu</b> , Florina Scarlatache, K-means Clustering-based Data Mining Methodology to Discover the Prosumers' Energy Features, HE 12th International Symposium on Advanced Topics in Electrical Engineering (ATEE2021), 25-27 Martie, 2021, Bucuresti, Romania, DOI: 10.1109/ATEE52255.2021.9425237. Accession Number: WOS: 000676164800102.
	V2. <b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoras, A Fair Load Sharing Approach Based on Microgrid Clusters and Transactive Energy Concept, 12th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), 25-27 Iunie, Bucuresti, 2020, Accession Number: WOS:000627393500104
	V3. Gheorghe Grigoras, Vasilica Dandea, <b>Bogdan-Constantin Neagu</b> , Florina Scarlatache, Load Estimation with the Clustering-Based Selection of the Electric Distribution Substations Integrated in SCADA System, 10th International Conference on ENERGY and ENVIRONMENT (CIEM), 14 – 15 Octombrie, 2021, Bucuresti, Romania. DOI: 10.1109/CIEM52821.2021.9614718 (IEEE Xplore)
	V4. Constantin Zetu, <b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoras, Florina Scarlatache, A New Approach for the Coexistence Study of Urban Buildings Near High Voltage Overhead Lines, 10th International Conference on ENERGY and

	ENVIRONMENT (CIEM), 14 – 15 Octombrie, 2021, Bucuresti, Romania. DOI: 10.1109/CIEM52821.2021.9614825 (IEEE Xplore)
V5.	Ovidiu Ivanov, <b>Bogdan-Constantin Neagu</b> , Andrei Cibotărică și Mihai Gavrilaș, Multiobjective Prosumer Surplus Management for Optimal Microgrid Operation, 2021 10th International Conference on ENERGY and ENVIRONMENT (CIEM), 2021, pp. 1-5, doi: 10.1109/CIEM52821.2021.9614729 (IEEE Xplore).
V6.	Ecaterina Chelaru, Gheorghe Grigoraș, Livia Noroc, <b>Bogdan-Constantin Neagu</b> , and Florina Scarlatache, Influence of the Prosumers on the Replacement Strategies of the Aged Transformers from the Electric Distribution Networks, 13th Interantional Conference on Electromechanical and Energy Systems (SIELMEN), 7 -8 Octombrie, 2021, Chisinau, Rep. Moldova. DOI: 10.1109/SIELMEN53755.2021.9600425 (IEEE Xplore)
V7.	Mihai-Andrei Luca, <b>Bogdan-Constantin Neagu</b> , Ovidiu Ivanov, Mihai Gavrilaș, Gheorghe Grigoras, A Deeper Analysis about the Impact of Prosumers on Power Losses in Low Voltage Microgrids, 13th Interantional Conference on Electromechanical and Energy Systems (SIELMEN), 7 -8 Octombrie, 2021, Chisinau, Rep. Moldova. DOI: 10.1109/SIELMEN53755.2021.9600366 (IEEE Xplore)
V8.	<b>Bogdan-Constantin Neagu</b> , Constantin Zetu, Gheorghe Grigoras, Ovidiu Ivanov, Theories about Mechanical Calculus in the Context of Coexistence between Overhead Power Lines and Buildings from Outskirts of Cities, 13th Interantional Conference on Electromechanical and Energy Systems (SIELMEN), 7 -8 Octombrie, 2021, Chisinau, Rep. Moldova. DOI: 10.1109/SIELMEN53755.2021.9600329 (IEEE Xplore)
V9.	Mihai Tirsu, Nicolae Covalenco, Dimitrii Zaitsev, Ion Negura, Mihai Gavrilaș și <b>Bogdan-Constantin Neagu</b> , "Photovoltaic-Thermal System for Trigenerating Electricity, Hot Water and Cold," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 092-096, doi: 10.1109/SIELMEN53755.2021.9600378. (IEEE Xplore).
V10.	Vasilica Dandea, Gheorghe Grigoras, <b>Bogdan-Constantin Neagu</b> și Florina Scarlatache A Clustering-based Knowledge Extraction Methodology for Prosumers' Classification and Injected Power Profiles Grouping, 13th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2021, 1 – 3 Julie, 2021, Pitesti, Romania, DOI: 10.1109/ECAI52376.2021.9515042 (IEEE Xplore)
V11.	Razvan Garbea, Florina Scarlatache, Gheorghe Grigoras, <b>Bogdan-Constantin Neagu</b> , Integration of Data Mining Techniques in SCADA System for Optimal Operation of Hydropower Plants, 13th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2021, 1 – 3 Julie, 2021, Pitesti, Romania, SCOPUS <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85115080303&amp;origin=resultslist">https://www.scopus.com/record/display.uri?eid=2-s2.0-85115080303&amp;origin=resultslist</a>
V12.	Razan Garbea, Florina Scarlatache, Gheorghe Grigoras, <b>Bogdan Constantiu Neagu</b> , Extracting the Operating Characteristics of Hydropower Plants Using a Clustering-based Efficient Methodology, 9th International Conference on Modern Power Systems (MPS2021), Cluj-Napoca, Romania, 16-17 Iunie, 2021, SCOPUS <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85112162843&amp;origin=resultslist">https://www.scopus.com/record/display.uri?eid=2-s2.0-85112162843&amp;origin=resultslist</a>
V13.	Constantin Zetu, <b>Bogdan Constantiu Neagu</b> , Gheorghe Grigoras, Florina Scarlatache, The Risk Analisys for the Coexistence of Overhead Lines and Urban Green Areas, 9th International Conference on Modern Power Systems (MPS2021), Cluj-Napoca, Romania, 16-17 Iunie, 2021, DOI: 10.1109/MPS52805.2021.9492592. SCOPUS <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85112162843&amp;origin=resultslist">https://www.scopus.com/record/display.uri?eid=2-s2.0-85112162843&amp;origin=resultslist</a>
V14.	Ovidiu Ivanov, <b>Bogdan Constantiu Neagu</b> , Andrei Nițu, Mihai Gavrilaș, "An Improved Metaheuristic Algorithm for Load Balancing in LV Distribution Networks," 2021 9th International Conference on Modern Power Systems (MPS), 2021, pp. 1-5, doi: 10.1109/MPS52805.2021.9492680. SCOPUS <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85112178052&amp;origin=resultslist">https://www.scopus.com/record/display.uri?eid=2-s2.0-85112178052&amp;origin=resultslist</a>
V15.	Vasilica Dandea, Gheorghe Grigoraș, <b>Bogdan-Constantin Neagu</b> , Florina Scarlatache, K-means Clustering-based Data Mining Methodology to Discover the Prosumers' Energy Features, HE 12th International Symposium on Advanced

	<p>Topics in Electrical Engineering (ATEE2021), 25-27 Martie, 2021, Bucuresti, Romania, DOI: 10.1109/ATEE52255.2021.9425237.SCOPIUS <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85115116046&amp;origin=resultslist">https://www.scopus.com/record/display.uri?eid=2-s2.0-85115116046&amp;origin=resultslist</a></p>
	<p>V16. Vasilica Dandea, Gheorghe Grigoras, <b>Bogdan-Constantin Neagu</b>, Florina Scarlatache, "A Clustering-based Knowledge Extraction Methodology for Prosumers' Classification and Injected Power Profiles Grouping," 2021 13th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), 2021, pp. 1-6, doi: 10.1109/ECAI52376.2021.9515042. SCOPUS <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85106698879&amp;origin=resultslist">https://www.scopus.com/record/display.uri?eid=2-s2.0-85106698879&amp;origin=resultslist</a></p>
	<p>V17. <b>Bogdan-Constantin Neagu</b>, Gheorghe Grigoras, A data-mining-based methodology to identify the behavioural characteristics of prosumers within active distribution networks, International Symposium on Fundamentals of Electrical Engineering (ISFEE), 2020, Bucharest, Romania, November 5–7. DOI 10.1109/ISFEE.2020.8107089 IEEE Explore.</p>
	<p>V18. Gheorghe Grigoras, <b>Bogdan-Constantin Neagu</b>, Ovidiu Ivanov, <i>Aggregate Method based on Expert System for Electricity Consumption Forecasting of Small and Medium Enterprises</i>, 2019 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucuresti, Romania, 23 – 28 Mai, 2019, Accession Number: WOS:000475904500123</p>
	<p>V19. <b>Bogdan-Constantin Neagu</b>, Gheorghe Grigoras, Ovidiu Ivanov, <i>The Influence of Harmonics on Additional Power Losses at Large Enterprises</i>, 2019 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucuresti, Romania, 23 – 28 Mai, 2019, Accession Number: WOS:000475904500097</p>
	<p>V20. Ovidiu Ivanov, <b>Bogdan-Constantin Neagu</b>, Gheorghe Grigoras, Mihai Gavrilas, <i>Capacitor Banks Placement Optimization Improvement Using the Sperm Whale Algorithm</i>, 11th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), 27-29 Iunie, 2019, WOS:000569985400130</p>
	<p>V21. <b>Bogdan-Constantin Neagu</b>, Gheorghe Grigoras, <i>Uncertainty-Based Decision Making in the Planning of Electric Transmission Networks</i>, 11th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), 27-29 Iunie, 2019, WOS:000569985400085</p>
	<p>V22. <b>Bogdan-Constantin Neagu</b>, Gheorghe Grigoras, Ovidiu Ivanov, <i>An Efficient Peer-to-Peer Based Blockchain Approach for Prosumers Energy Trading in Microgrids</i>, 8th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 21-23 Mai, 2019, WOS:000612401900090</p>
	<p>V23. Gheorghe Grigoras, <b>Bogdan-Constantin Neagu</b>, Ovidiu Ivanov, <i>An Efficient Approach for Flattening the Electricity Consumption Profile at Small and Medium Enterprises</i>, 8th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 21-23 Mai, 2019, WOS:000612401900021</p>
	<p>V24. <b>Bogdan-Constantin Neagu</b>, Gheorghe Grigoras, <i>Decision-Making Approach for Choosing of Electricity Supplier to Improve the Energy Efficiency</i>, 2019 International Conference on ENERGY and ENVIRONMENT (CIEM), Timisoara, Romania, 17-18 Octombrie, 2019, Accession Number: WOS:000630902700072</p>
	<p>V25. Gheorghe Grigoras, Mihai Gavrilas, <b>Bogdan-Constantin Neagu</b>, Ovidiu Ivanov, Ion Tristiu, Constantin Bulac, <i>An Efficient Method to Optimal Phase Load Balancing in Low Voltage Distribution Network</i>, 2019 International Conference on ENERGY and ENVIRONMENT (CIEM), Timisoara, Romania, 17-18 Octombrie, 2019, Accession Number: WOS:000630902700068</p>
	<p>V26. <b>Bogdan-Constantin Neagu</b>, Mihai Gavrilas, Gheorghe Grigoras, Ovidiu Ivanov, <i>Voltage Control in Microgrids in the Presence of Small-Scale Renewable Energy Source</i>, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN), Chisinau, Republica Moldova, 9-11 Octombrie, 2019, Accession Number: WOS:000630287500022</p>
	<p>V27. Ovidiu Ivanov, <b>Bogdan-Constantin Neagu</b>, Mihai Gavrilas, Gheorghe Grigoras, Calin-Viorel Sfintes, <i>Phase Load Balancing in Low Voltage Distribution Networks Using Metaheuristic Algorithms</i>, International Conference on Electromechanical and Energy Systems (SIELMEN), Chisinau, Republica Moldova, 9-11 Octombrie, 2019, WOS:000630287500107</p>

V28. <b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoraș, Optimal Voltage Control in Power Distribution Networks Using an Adaptive On-Load Tap Changer Transformers Techniques, International Conference on Electromechanical and Energy Systems (SIELMEN), Chisinau, Republica Moldova, 9-11 Octombrie, 2019, Accession Number: WOS:000630287500111
V29. <b>Bogdan-Constantin Neagu</b> , Mihai Gavrițaș, Radu Dumitru Pentiu, Eugen Hopulele, Optimal Placement of Energy Storage Systems in Microgrids Using a PSO Based Approach, IEEE PES Innovative Smart Grid Technologies Europe (ISGT-Europe), September 29 to October 2, 2019, București, Romania, pp. 1-6, WOS: 000550100400114
V30. Eugen Hopulele, Radu Dumitru Pentiu, Mihai Gavrițaș, <b>Bogdan-Constantin Neagu</b> , Optimizing the Operation of a Trigenation System Designed to Meet Energy Requirements for a Consumer, IEEE PES Innovative Smart Grid Technologies Europe (ISGT-Europe), September 29 to October 2, 2019, București, Romania, pp. 1-6, WOS: 000550100400200
V31. Gheorghe Grigoras, <b>Bogdan-Constantin Neagu</b> , <i>Energy Consumption Forecasting to Small and Medium Enterprises Using a Hybrid Method</i> , 2018 International Symposium on Fundamentals of Electrical Engineering (ISFEE), Bucureti, Romania, 1 – 3 Noiembrie, 2018, Accession Number: WOS:000480396400064
V32. <b>Bogdan-Constantin Neagu</b> , Mihai Gavrițaș, Gheorghe Ghiocel Matei, Voltage/VAR Control with Reactive Power Injection in Distribution Networks using a Proper Metaheuristic Approach, 2018 IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe), Palermo, Italy, 2018, pp. 1-6, WOS:000450163702009
V33. Gheorghe Ghiocel Matei, <b>Bogdan-Constantin Neagu</b> , Mihai Gavrițaș, Optimal Voltage Control Based on a Modified Line Drop Compensation Method in Distribution Systems, 2018 IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe), Palermo, Italy, 2018, pp. 1-6, WOS:000450163701095.
V34. Gheorghe Grigoraș, <b>Bogdan-Constantin Neagu</b> , Florina Scarlatache, <i>Influence of Sampling Size in Profiling Process of Electricity Consumption at Small and Medium Enterprises</i> , 10th International Conference and Exposition on Electrical and Power Engineering (EPE2018), Iasi, Romania, pp. 743 – 748, 2018, Accession Number: WOS:000458752200145
V35. Bogdan Constantin Neagu, <b>Gheorghe Grigoras</b> , Florina Scarlatache, <i>Influence of Outliers on Transformer Power Losses Estimation Using a Statistical Based Data Mining Approach</i> , 10th Edition Electronics, Computers and Artificial Intelligence (ECAI 2018), 28 June -30 June, 2018, Iasi, Romania, Accession Number: WOS:000467734100072
V36. Mihai Gavrițaș, <b>Bogdan-Constantin Neagu</b> , Radu Dumitru Pentiu, Eugen Hopulele, Overview on Distributed Generation Integration in Distribution Systems, 2018 International Conference and Exposition on Electrical and Power Engineering (EPE), Iasi, Romania, 2018, pp. 1063-1069, WOS:000458752200208.
V37. Nicusor Toma, Ovidiu Ivanov, <b>Bogdan-Constantin Neagu</b> , Mihai Gavrițaș, A PSO Algorithm for Phase Load Balancing in Low Voltage Distribution Networks, 2018 International Conference and Exposition on Electrical and Power Engineering (EPE), Iasi, Romania, 2018, pp. 857-862, WOS:000458752200167.
V38. Ovidiu Ivanov, Gheorghe Grigoras, <b>Bogdan-Constantin Neagu</b> , <i>Smart Metering based Approaches to Solve the Load Phase Balancing Problem in Low Voltage Distribution Networks</i> , 2018 International Symposium on Fundamentals of Electrical Engineering (ISFEE), Bucureti, Romania, 1 – 3 Noiembrie, 2018, Accession Number: WOS:000480396400007
V39. Florina Scarlatache, Gheorghe Grigoraș, <b>Bogdan-Constantin Neagu</b> , Romeo Ciobanu, <i>Aided decision making for hybrid energy systems planning in micro-grids</i> , 2018 Smart City Symposium Prague (SCSP), Praga, Republica Cehă, 24 – 25 Mai, 2018. Accession Number: WOS:000443451800033
V40. Ovidiu Ivanov, <b>Bogdan-Constantin Neagu</b> , Mihai Gavrițaș, "Voltage profile improvement in electricity distribution networks — A genetic algorithm benchmark

	study," 2017 International Conference on Electromechanical and Power Systems (SIELMEN), Iasi, 2017, pp. 560-564, WOS:000426906000107.
V41.	Gheorghe Grigoraş, <b>Bogdan-Constantin Neagu</b> , Alexandra Adăscăliţei, On the Assessment of Slow Voltage Variations in Electric Distribution Networks using K-Means Clustering Algorithm, 2nd IMEKO TC4 International Symposium & 20th International Workshop on ADC Modelling and Testing, Iaşi, Romania, September 14-15, 2017 SCOPUS <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85046495777&amp;origin=resultslist">https://www.scopus.com/record/display.uri?eid=2-s2.0-85046495777&amp;origin=resultslist</a>
V42.	<b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoraş, Detection of Irregular Consumption to Load Monitoring in Smart Grids, 2nd IMEKO TC4 International Symposium & 20th International Workshop on ADC Modelling and Testing, Iaşi, Romania, September 14-15, 2017 SCOPUS <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85046399670&amp;origin=resultslist">https://www.scopus.com/record/display.uri?eid=2-s2.0-85046399670&amp;origin=resultslist</a> .
V43.	<b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoraş, An Efficient Metaheuristic Algorithm for Optimal Capacitor Allocation in Electric Distribution Networks, 2017 2nd International Conference on Software, Multimedia and Communication Engineering (SMCE 2017), Shanghai, China, pp. 327- 332, 2017 (EI Compendex) 10.12783/dtscse/smce2017/12448
V44.	<b>Bogdan-Constantin Neagu</b> , Ovidiu Ivanov, Mihai Gavrilaş, A comprehensive solution for optimal capacitor allocation problem in real distribution networks," 2017 International Conference on Electromechanical and Power Systems (SIELMEN), 2017, pp. 565-570, WOS:000426906000108.
V45.	Gheorghe Grigoraş, Florina Scarlatache, <b>Bogdan-Constantin Neagu</b> , <i>Analysis of energy saving solutions based on replacement of distribution transformers</i> , 2017 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) & 2017 Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP), Brasov, Romania, pp. 66 – 71, 2017 Accession Number: WOS:000426909600009
V46.	Gheorghe Grigoraş, Florina Scarlatache, Daniela Comanescu, <b>Bogdan-Constantin Neagu</b> , <i>Expert system for optimal power allocation in hydropower dispatchable units</i> , 2017 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) & 2017 Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP), Brasov, Romania, pp. 605 – 610, 2017 Accession Number: WOS:000426909600091
V47.	<b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoraş, Florina Scarlatache, <i>Effects of outliers on calculation of load profile factors</i> , 2017 International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 6 – 9 Iunie, 2017 Accession Number: WOS:000428462600009
V48.	Gheorghe Grigoraş, <b>Bogdan-Constantin Neagu</b> , Florina Scarlatache, Cristina Schreiner, Romeo Ciobanu, <i>Identification of pilot nodes for secondary voltage control using K-means clustering algorithm</i> , 2017 IEEE 26th International Symposium on Industrial Electronics (ISIE), Edinburgh, UK, pp. 106 – 110, 2017 Accession Number: WOS:000426794000015
V49.	<b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoraş, Florina Scarlatache, Cristina Schreiner, Romeo Ciobanu, <i>Patterns discovery of load curves characteristics using clustering based data mining</i> , 2017 11th IEEE International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG), Cadiz, Spain, pp. 83 – 87, 2017 WOS:000406491800013
V50.	Florina Scarlatache, Gheorghe Grigoraş, <b>Bogdan-Constantin Neagu</b> , Cristina Schreiner, Romeo Ciobanu, <i>Influence of hybrid energy systems on micro-grids control</i> , 2017 11th IEEE International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG), Cadiz, Spain, pp. 313 – 317, 2017 WOS:000406491800050
V51.	<b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoraş, Florina Scarlatache, <i>Outliers discovery from Smart Meters data using a statistical based data mining approach</i> , 2017 10th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucureşti, Romania, pp. 555 -558, 2017, WOS:000403399400108
V52.	Gheorghe Grigoraş, <b>Bogdan-Constantin Neagu</b> , Florina Scarlatache, <i>Smart metering based approach for phase balancing in low voltage distribution systems</i> , 2017 10th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucureşti, Romania, pp. 551 -554, 2017, WOS:000403399400107

V53.	Florina Scarlatache, Gheorghe Grigoraş, <b>Bogdan-Constantin Neagu</b> , <i>Clustering Based Data Mining in Wind Power Production</i> , ECAI 2017 - International Conference – 9th Edition Electronics, Computers and Artificial Intelligence, 29 June -01 July, 2017, Targoviste, Romania, Accession Number: WOS:000425865900119.
V54.	Oidiu Ivanov, <b>Bogdan-Constantin Neagu</b> , Mihai Gavrilas, "A parallel PSO approach for optimal capacitor placement in electricity distribution networks," 2017 International Conference on Modern Power Systems (MPS), 2017, pp. 1-5, WOS: 000428462600018
V55.	<b>Bogdan-Constantin Neagu</b> , Oidiu Ivanov, Mihai Gavrilas, "Voltage profile improvement in distribution networks using the whale optimization algorithm," 2017 9th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Targoviste, 2017, pp. 1-6. WOS:000425865900081
V56.	Oidiu Ivanov, <b>Bogdan-Constantin Neagu</b> , Mihai Gavrilas, "Voltage profile improvement in electricity distribution networks — A genetic algorithm benchmark study," 2017 International Conference on Electromechanical and Power Systems (SIELMEN), Iasi, 2017, pp. 560-564. WOS:000426906000107
V57.	<b>Bogdan-Constantin Neagu</b> , Oidiu Ivanov, Mihai Gavrilas, A comprehensive solution for optimal capacitor allocation problem in real distribution networks. In 2017 International Conference on Electromechanical and Power Systems (SIELMEN), pp. 565-570, WOS: 000426906000108
V58.	<b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoraş, Florina Scarlatache, <i>Power losses estimation in harmonic polluted LV distribution networks with a fuzzy approach</i> , 2016 8th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Ploiesti, Romania, 2016, WOS:000402541200042
V59.	Florina Scarlatache, Gheorghe Grigoraş, <b>Bogdan-Constantin Neagu</b> , <i>Decision making methodology based on fuzzy logic in optimal DG location</i> , 2016 8th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Ploiesti, Romania, 2016, WOS:000402541200117
V60.	Gheorghe Grigoraş, <b>Bogdan Constantin Neagu</b> , Florina Scarlatache, <i>Estimation of energy losses in distribution transformers using a fuzzy approach</i> , 2016 International Symposium on Fundamentals of Electrical Engineering (ISFEE), Bucureşti, Romania, 2016, WOS:000392434400035
V61.	<b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoraş, Florina Scarlatache, <i>The influence of harmonics on power losses in urban distribution networks</i> , 016 International Symposium on Fundamentals of Electrical Engineering (ISFEE), Bucureşti, Romania, 2016, WOS:000392434400036
V62.	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Ovidiu Ivanov, The impact of harmonic current flow on additional power losses in low voltage distribution networks, 2016 International Conference and Exposition on Electrical and Power Engineering (EPE 2016), pp.719-722, Iaşi, România, 20-22 Oct. 2016, WOS:000390706300143
V63.	<b>Bogdan-Constantin Neagu</b> , Ovidiu Ivanov, Gheorghe Georgescu, Reactive power compensation in distribution networks using the bat algorithm, 2016 International Conference and Exposition on Electrical and Power Engineering (EPE 2016), pp.711-714, Iasi, 20-22 Oct. 2016, România, WOS:000390706300141
V64.	<b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoraş, <i>Assessment of slow voltage variations from the electric distribution systems with fuzzy techniques</i> , 2015 7th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Bucureşti, Romania, pp. 61 – 66, 2015, WOS:000370971100118
V65.	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Wind Farm Cable Route Optimization Using a Simple Approach, 8th International Conference and Exposition on Electrical and Power Engineering, EPE 2014, p. 1004-1009, Iaşi, România, 16-18 October 2014, WOS: 000353565300183.
V66.	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Aspects regarding the monitoring possibilities and steady-state analysis of electric energy repartition networks, 8th International Conference and Exposition on Electrical and Power Engineering, EPE 2014, pag. 1000-1003, Iaşi, România, WOS: 000353565300182.
V67.	Alexandru Kriukov, Gheorghe Grigoraş, Mihai Gavrilas, Florina Scarlatache, <b>Bogdan-Constantin Neagu</b> , <i>An analyze of slow voltage variations from the electric distribution systems with a clustering based approach</i> , 2014 16th International

	Conference on Harmonics and Quality of Power (ICHQP), București, Romania, pp. 689 – 693, 2014, WOS:000343776100142
V68.	Bogdan Vicol, Mihai Gavrilăș, Ovidiu Ivanov, <b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoraș, <i>Synchrophasor measurement method for overhead line parameters estimation in MV distribution networks</i> , 2014 16th International Conference on Harmonics and Quality of Power (ICHQP), București, Romania, pp. 862 – 865, 2014, WOS:000343776100177
V69.	Ovidiu Ivanov, Mihai Gavrilăș, <b>Bogdan-Constantin Neagu</b> , Intelligent Monitoring and Control in Transmission and Distribution Networks, Proc. of 14th International Conference on Optimization of Electrical and Electronic Equipment OPTIM 2014, pag. 185-191, Brașov, România, 22-24 May 2014, Accession Number: WOS:000343551300027
V70.	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , Daniela Astărăstoiaie, Reactive Power Sources Management in Public Repartition and Distribution Systems with the Purpose of Power Quality Improvement, The 7th International Conference on Electrical and Power Engineering, Iași, pp. 259 - 264, 2012, WOS:000324685300049
V71.	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , Pinteana Anca, Aspects Regarding the Power and Energy Losses Evaluation from Public Electricity Repartition Systems, The 7th International Conference on Electrical and Power Engineering, Iași, pp. 253 - 258, 2012, WOS:000324685300048.
V72.	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, The Optimization of Reactive Power Sources Placement in Public Repartition and Distribution Systems for Power Quality Improvement, 12th International Conference on Optimization of Electrical and Electronic Equipment - OPTIM 2012, Brasov, Romania, p. 200-207, WOS:000398866700030
V73.	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Astrid Elges, Monitoring System of Electric Energy Consumption to Users, International Conference and Exposition on Electrical and Power Engineering (EPE), pag. 265-270, Iași, România, 25-27 October 2012, Accession Number: WOS:000324685300049.
V74.	Viorel Varvara, Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , Analysis of the Distortion State in Public Electrical Power Supply Systems, The International Conference on Engineering of Modern Electric Systems - EMES'09, Analele Universității din Oradea, Fascicula de energetică, vol.15, pp. 148-153, 2009 (CNCSIS B+, Index Copernicus, EBSCO), <a href="http://www.energy-cie.ro/archives/2009/p1-29.pdf">http://www.energy-cie.ro/archives/2009/p1-29.pdf</a> .
V75.	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , The Pollution with Harmonics in Public Electric Energy Repartition and Distribution Systems, The 3rd International Symposium on Electrical Engineering and Energy Converters – ELS2009, Suceava, pp. 245-250, 2009, (CNCSIS B+, Index Copernicus, EBSCO) <a href="http://www.els.usv.ro/pagini/past_editions/ELS%202009/E1.05_GEORGESCU%20Gheorghe%20(2).pdf">http://www.els.usv.ro/pagini/past_editions/ELS%202009/E1.05_GEORGESCU%20Gheorghe%20(2).pdf</a> .
V76.	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , Possibilities of Surveying Electric Load and Daily Load Curves for the Profiling of Consumption in Public Energy Repartition and Distribution Systems, The 3rd International Symposium on Electrical Engineering and Energy Converters – ELS2009, Suceava, pp. 245-250, 2009, (Index Copernicus,) <a href="http://www.els.usv.ro//ELS2009/E1.05_GEORGESCU%20Gheorghe%20(1).pdf">http://www.els.usv.ro//ELS2009/E1.05_GEORGESCU%20Gheorghe%20(1).pdf</a>
V77.	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Some Aspects Regarding the Distortion State in Public Power Distribution Systems, The 4th edition of Interdisciplinarity in Engineering International Conference – Inter-Eng 2009, Târgu Mureș, 2009, pp. 25-30 ((CNCSIS B+, Index Copernicus, EBSCO) <a href="http://www.inter-eng.upm.ro/2009/files/proceedings/papers/paper4.pdf">www.inter-eng.upm.ro/2009/files/proceedings/papers/paper4.pdf</a> ).
V78.	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Remarks on Power Flow Optimization in Public Electricity Repartition Systems, The 4th edition of the Interdisciplinary in Engineering International Conference – Inter-Eng 2009, Târgu Mureș, 2009, pp. 31-36, (CNCSIS B+, Index Copernicus, EBSCO) <a href="http://www.inter-eng.upm.ro/2009/files/proceedings/papers/paper5.pdf">www.inter-eng.upm.ro/2009/files/proceedings/papers/paper5.pdf</a> .
	<b>Articol/studiu publicat în volumul unei manifestări științifice neindexate în baze de date</b>
V79.	Toma N.C., <b>Neagu B.C.</b> , Gavrilăș M., Application of Smart Metering Systems for Energy Losses Assessment and Forecasting in Distribution Systems, 41st



	Conference on Fundamentals of Electrotechnics and Circuit Theory (SPETO2018), Gliwice, Poland, 16-19 may 2018. <a href="http://icspeto.hostingasp.pl/Media/Default/program/PROGRAM%20-%20SPETO%202018%20-%20PROGRAMME.pdf">icspeto.hostingasp.pl/Media/Default/program/PROGRAM%20-%20SPETO%202018%20-%20PROGRAMME.pdf</a>
V80.	<b>Neagu B.C.</b> , Georgescu Gh., Gușă M.D., Issues Regarding a Series of Mathematical Models and Software Application for Technical Losses Evaluation in Operation of Public Distribution Networks Elements in Symmetric State, FOREN 2012, Neptun - Olimp, România, pp.1-10, 2012(B).
V81.	<b>Neagu B.C.</b> , Georgescu Gh., Gușă M.D., The Profiling of Load Curves and Main Parameters for Different Tertiary Consumer Categories Supplied Through Electricity Repartition and Distribution Systems, The 8th International Conference on Industrial Power Engineering – CIEI 2011, Bacău, pp. 82-87, 2011(B).
V82.	Georgescu Gh., <b>Neagu B.C.</b> , Socotar D., The Evaluation of Additional Active Power Loss in Electrical Distribution Networks Working in Distorting Regimes, The 6th International Conference on Electrical and Power Engineering – EPE2010, Iași, pp. 143-146, 2010 ( <a href="http://www.epe.tuiasi.ro/2010/pdf/EPE_2010_vol1.pdf">www.epe.tuiasi.ro/2010/pdf/EPE_2010_vol1.pdf</a> ).
V83.	<b>Neagu B.C.</b> , Georgescu Gh., Olariu M., Software Package for Elaboration, Storage and Inversion of the Nodal Admittance Matrix, The 6th International Conference on Electrical and Power Engineering, Iași, pp. 139-142, 2010 ( <a href="http://www.epe.tuiasi.ro/2010/pdf/EPE_2010_vol1.pdf">www.epe.tuiasi.ro/2010/pdf/EPE_2010_vol1.pdf</a> ).
V84.	Georgescu Gh., <b>Neagu B.C.</b> , Optimal Power Flow in Public Electric Energy Repartition and Distribution Systems, The 7th International Conference on Electromechanical and Power Systems, Iasi, pp. 59-62, 2009(B).
V85.	Georgescu Gh., <b>Neagu B.C.</b> , The Estimation and Time Evolution of the Distortion State in Public Electric Energy Repartition and Distribution Systems, The 7th International Conference on Electromechanical and Power Systems, Iasi, pp. 55-58, 2009(B).
V86.	Georgescu Gh., <b>Neagu B.C.</b> , Power Losses in Public Repartition and Distribution Networks in Distortion State, The 7th National Conference on Industrial Energetics with International Participation – CNEI 2009, Bacău, pp. 169-176, 2009 ( <a href="http://www.ciei.ub.ro/wp-content/uploads/2016/04/Proceedings_CNEI2009.pdf">www.ciei.ub.ro/wp-content/uploads/2016/04/Proceedings_CNEI2009.pdf</a> ).
V87.	Georgescu Gh., <b>Neagu B.C.</b> , The time Behaviour and Compensation Methods of the Distortion State in Electric Energy Repartition and Distribution Public Networks, The 7th National Conference on Industrial Energetics with International Participation – CNEI 2009, Bacău, pp. 163-168, 2009 ( <a href="http://www.ciei.ub.ro/wp-content/uploads/2016/04/Proceedings_CNEI2009.pdf">www.ciei.ub.ro/wp-content/uploads/2016/04/Proceedings_CNEI2009.pdf</a> ).
V88.	<b>Neagu B.C.</b> , Georgescu Gh., Reduction of Power Losses in Public Distribution Systems for Increase the Energetic Efficiency and the Quality of Delivered Energy, The 7th National Conference on Industrial Energetics with International Participation – CNEI 2009, Bacău, pp. 197-202, 2009 ( <a href="http://www.ciei.ub.ro/wp-content/uploads/2016/04/Proceedings_CNEI2009.pdf">www.ciei.ub.ro/wp-content/uploads/2016/04/Proceedings_CNEI2009.pdf</a> ).
V89.	Georgescu Gh., Varvara V., <b>Neagu B.C.</b> , The Outline of the Energy Consumers from the Distribution Electric Systems, The Second International Symposium on Electrical and Electronics Engineering, Galați, Romania, pp. 150-154, 2008 ( <a href="http://www.fie.ugal.ro/ISEEE_book/table_articles.html">www.fie.ugal.ro/ISEEE_book/table_articles.html</a> ).
	TOTAL

**4. Proiecte de cercetare-dezvoltare (P1, P2 etc.) pe bază de contract/ grant, precum și alte lucrări de cercetare-dezvoltare (F1, F2 etc.), după caz, prin care se aduc contribuții la dezvoltarea mediului educațional/ cultural/ economic/ social etc.**

<b>Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câștigate prin competiție națională sau încheiate cu institute de cercetare, companii, regii, societăți comerciale</b>
<b>Granturi de cercetare-dezvoltare câștigate prin competiție / director proiect</b>
<b>P1.</b> Platformă software inovativă pentru managementul energetic al consumatorilor finali în vederea creșterii eficienței energetice și a reducerii emisiilor de carbon, Grant PN-III-P2-2.1-CI-2018-1017, Contract nr. 174CI din 04/07/2018, Beneficiar: UEFISCDI, Valoare: valoare 49990 lei, <b>Neagu B.C. (Director)</b>

<p><b>P2.</b> Management inteligent a centralelor electrice virtuale cu ajutorul platformelor software bazate pe inteligenta artificiala, in contextul competitivitatii energetice Europene, Grant PN-III-P2-2.1-CI-2018-1011, Contract nr. 173CI din 02/07/2018, Valoare: 49750 lei, <b>Neagu B.C. (Director)</b></p>
<p><b>P3.</b> Dezvoltarea institutionala a TUIASI prin cresterea vizibilitatii si a performantei cercetarii, (TUIASI-COMPETE), Grant PNIII-1.2.PDI-PFC-C1-2018, Contract nr. 9PFE din 18/10/2018, Beneficiar: UEFISCDI, Valoare: 4530000 lei. Tema: Platformă software de asistență decizională orientată spre eficientizarea managementului activității furnizorilor de energie electrică. Neagu B.C. (Responsabil Tema 9)</p>
<p><b>Granturi de cercetare-dezvoltare câștigate prin competiție / membru proiect</b></p>
<p><b>P4.</b> Holistica impactului surselor regenerabile de energie asupra mediului și climei-HORESEC, Grant PN-III-P1-1.2-PCCDI-2017-0404 / 31PCCDI/2018, Director Proiect Cornel Panait, Coordonator Universitatea Maritimă din Constanța, Durata 33 de luni. Valoare totală 5.287.500 lei. <b>Neagu B.C. (Member).</b></p>
<p><b>P5.</b> Platforma software de asistare a deciziilor în proiectarea ecologică optimă a instalațiilor electrice cu producere și stocare locală a energiei, în contextul creșterii eficienței energetice, Grant PN-III-P2-2.1-CI-2018-1128, Contract 192CI/25.07.2018, Beneficiar: UEFISCDI, Valoare: 50.000 lei, 2018, <b>Neagu B.C. (Member)</b></p>
<p><b>P6.</b> Platforma de management și control integrat al fluxurilor purtătorilor de energie în scopul creșterii eficienței energetice la IMM-uri, Grant PN-III-P2-2.1-CI-2017-0190, Contract 105CI/25.07.2017, Beneficiar: UEFISCDI, Valoare: 50.000 lei, 2017, <b>Neagu B.C. (Member)</b></p>
<p><b>P7.</b> Instrument software pentru gestiunea tranzacțiilor pe piața de energie electrică, Grant PN-III-P2-2.1-CI-2017-0328, Contract 45CI/25.07.2017, Valoare: 50.000 lei, 2017, <b>Neagu B.C. (Member)</b></p>
<p><b>P8.</b> Zone urbane bioclimatice inteligente cu emisii reduse de carbon ca insule inovatoare energetic într-un oraș durabil (SMART URBAN ISLE). Contract 83/2016 - ERA NET Cofund-83/2016-2018. Valoare proiect: 710.968,5 lei, <b>Neagu B.C. (Member).</b></p>
<p><b>P9.</b> Nanomateriale și arhitecturi inovatoare pentru aplicații integrate de captare a energiei piezoelectrice (HarvEnPiez), Contract 50/2016, Proiect Era Net.Nivel internațional. Valoare proiect: 447.750 lei, <b>Neagu B.C. (Member).</b></p>
<p><b>P10.</b> Senzori integrați cu caracteristici microfluidice folosind tehnologia LTCC”, (INTCERSEN), Contract 9/2015, Proiect internațional Era Net. Valoare proiect: 468.000 lei, <b>Neagu B.C. (Member).</b></p>
<p><b>P11.</b> Tehnologii inovative de asamblare – dezasamblare a componentelor nemetalice industriale, bazate pe adezivi electro - activi nano-structurați, Contract de cercetare nr. 7-042/09.05.2011 (MAGBOND), beneficiar Universitatea Tehnică „Gheorghe Asachi” din Iași, durata contractului 2011-2012. (valoare 1.122.730 RON - 249.496 EUR), <b>Neagu B.C. (Member).</b></p>
<p><b>P12.</b> Dezvoltarea de bio-senzori prin intermediul unei tehnologii inovative de electro - acoperire a structurilor carbonice cu polimeri activi. Contract de cercetare nr. 7-038/13.05.2011 (CARBIOSENSE), beneficiar Universitatea Tehnică „Gheorghe Asachi” din Iași, durata contractului 2011-2013. (valoare 1.079.300 RON - 239.844 EUR), <b>Neagu B.C. (Member)</b></p>
<p><b>P13.</b> Școala Universitară de formare inițială și continuă a personalului didactic și a trainerilor din domeniul specializărilor tehnice și ingineresti – DidaTec, Contract POSDRU / 87 / 1.3 /S /6089, beneficiar Universitatea Tehnică „Gheorghe Asachi” din Iași, durata contractului 2012-2013. <b>Neagu B.C. (Member)</b></p>
<p><b>P14.</b> Specializarea personalului didactic universitar pentru funcția de supervisor de practica tehnologica și de cercetare, Cod contract: 57/1.3/S/17884, beneficiar Universitatea Tehnică „Gheorghe Asachi” din Iași, durata contractului 2010-2012. <b>Neagu B.C. (Member)</b></p>
<p><b>Contracte încheiate cu institute de cercetare/companii/regii/societăți comerciale</b></p>
<p><b>P15.</b> Prognoza de consum propriu tehnologic pentru rețeaua de energie electrică din zona de activitate a Delgaz Grid. S.A. pentru anul 2019, Contract nr. 1305P / 14.02.2019; beneficiar: Delgaz Grid.S.A, Valoare: 7500 euro, Neagu B.C. (Member)</p>
<p><b>P16.</b> Prognoza de consum propriu tehnologic pentru rețeaua de energie electrică din zona de activitate a Delgaz Grid. S.A. pentru anul 2018., Contract nr. 3105P / 14.02.2018; beneficiar: Delgaz Grid. S.A ,Valoare:9981 euro, Neagu B.C. (Member)</p>
<p><b>P17.</b> Prestări servicii cercetare: prelucrare MST instantanee și stabilire locații MST 1 zi, Contract nr. 12697/05.07.2017, beneficiar: Delgaz Grid S.A, valoare 9783 lei, Neagu B.C. (Member).</p>
<p><b>P18.</b> Prognoza de consum propriu tehnologic pentru rețeaua de energie electrică din zona de activitate a Delgaz Grid. S.A., Contract nr. 448P / 15.03.2017; beneficiar: Delgaz Grid. S.A ,Valoare: 44888 lei, Neagu B.C. (Member)</p>

	<p><b>P19.</b> Elaborare studiu - Servicii de consultanță de specialitate în proiectul EON Moldova Distribuție de reducere a pierderilor tehnice în rețelele de distribuție a energiei electrice pentru perioada 2016; Contract nr. 684P / 21.04.2016; beneficiar: EON Distribuție Romania S.A., Valoare: 60000 lei, Neagu B.C. (Member).</p>
	<p><b>P20.</b> Servicii de consultanță de specialitate în proiectul EON Moldova Distribuție de reducere a pierderilor tehnice în rețelele de distribuție, Contract nr. 1398P / 08.10.2014, beneficiar: E.ON Moldova Distribuție S.A., Valoare: 194000 lei, Neagu B.C. (Member).</p>
	<p><b>P21.</b> Studiu de determinare a consumului propriu tehnologic în rețelele de joasă tensiune aferente jud. Bacău, aparținând E.ON Moldova Distribuție S.A, Contract de cercetare nr. 3564P / 01.11.2011, 2011, beneficiar: E.ON Moldova Distribuție S.A, Valoare: 50000 lei, <b>Neagu B.C. (Member)</b></p>
	<p><b>P22.</b> Contract cercetare nr. <b>1265P/2010</b>, Analiza structurii și a posibilităților de reconfigurare în regimurile post avarie a rețelelor electrice, a calității energiei electrice livrate consumatorilor, prognoza sarcinilor, dimensionarea optimă din punct de vedere tehnico-economic a elementelor componente, precum și calculul regimurilor simetrice, a regimurilor de avarie (scurtcircuite) și a regimurilor deformante care apar în sistemele de repartiție și distribuție a energiei electrice (valoare 3500 RON + TVA). <b>Neagu B.C. (Member)</b>.</p>

**Note:**

(1) Fiecare lucrare este prezentată, în limba în care a fost publicată / expusă, corespunzător structurii "I, II, III, IV, V, VI", unde:

- I - indicativul ( T1, T2 etc.; Ca1, Ca2 etc.; ...), care se scrie "bold" la lucrările realizate după acordarea ultimului titlu didactic/ grad profesional (**Ca1, I1** etc., după caz);
- II - autorii în ordinea din publicație, cu scriere "bold" a **candidatului**;
- III - *titlul*, scris "italic";
- IV - editura sau revista sau manifestarea și/sau alte elemente de localizare, după caz;
- V - intervalul de pagini din publicație, respectiv, pp ...-..., numărul total de pagini, respectiv, ... pg., sau alte date similare, după caz;
- VI - anul sau perioada de realizare, după caz;

- (2) În cadrul fiecărui grup de lucrări (Ca1, Ca2 etc.; I1, I2 etc. ; ...), lucrările sunt în ordine invers cronologică;
- (3) În cazul în care o grupă de lucrări nu se regăsește în activitatea candidatului, respectiva grupă poate fi eliminată din listă;
- (4) Candidații au libertatea să completeze lista și cu alte grupe de lucrări.

**Data:**  
**25.09.2023**

**Candidat,**  
Bogdan-Constantin Neagu

