

## MEMORIU STIINTIFIC

### I. Date biografice

Nume: Stefan  
Prenume: Adrian  
Data nasterii: 19.03.1983  
Locul nasterii: Iasi  
Nationalitatea: Romana  
Starea civila: Casatorit  
Domiciliu: Iasi, strada Nicolina, nr. 1, bl. F, sc. B, et. 4, ap. 14  
Telefon: 0774666666  
Email: adrian\_stefan@me.com

### II. Studii medii

Liceul Alexandru Ioan Cuza Iasi, profil matematica-informatica

### III. Studii universitare

Doctorat (PhD) – Ingineria Materialelor, Universitatea Tehnica Gheorghe Asachi din Iasi (2021 – 2026, sustinere publica)  
Master – Tehnologia bauturilor si controlul calitatii, Universitatea de Stiinte Agricole si Medicina Veterinara din Iasi (2015 – 2017)  
Licenta – Economie, Universitatea Alexandru Ioan Cuza din Iasi (2004 – 2008), specializarea Comert, Turism si Servicii

### IV. Activitatea stiintifica in timpul studiilor

#### Lucrari ISI:

1. A. Stefan, D.-L. Chicet, B. Istrate, C. Munteanu, Cold Spray Coatings Morphology, Archives of Metallurgy and Materials, 69 (2024), 4, 1509–1518, DOI:  
<https://doi.org/10.24425/amm.2024.151421>

2. V. Goanta, C. Munteanu, S. Muftu, B. Istrate, P. Schwartz, S. Boese, G. Ferguson, C.-I. Moraras, A. Stefan, Evaluation of the Fatigue Behavior and Failure Mechanisms of 4340 Steel Coated with WIP-C1 (Ni/CrC) by Cold Spray, Materials, 15 (2022), 8116, DOI:  
<https://doi.org/10.3390/ma15228116>

#### Lucrari BDI:

3. C. Munteanu, D.-L. Chicet, B. Istrate, A. Stefan, I. Vida-Simiti, Influence of deposition technology on the morphology of chromium carbide-based powder coatings, Journal of Engineering Sciences and Innovation, Vol. 9, Issue 1, 2024, pp. 33–46

4. F.C. Lupu, C. Munteanu, B. Istrate, S.C. Lupescu, R. Ciubotaru, S. Adrian, Structural analysis and mechanical properties of some coatings obtained by cold spray method. A review, IOP Conference Series: Materials Science and Engineering, 1262 (2022)

#### Conferinte internationale:

5. Exploring the potential of Cold Spray coatings – current trends, ROPMAM 2025, Cluj-Napoca
6. Mechanical finishing of the APS-coated surfaces, ICIR EUROINVENT 2025, Iasi
7. Thermal spray deposition on polymeric materials, RoMat 2024, Bucuresti
8. Assessment of corrosion resistance in Ni-Cr-based coatings fabricated via Cold Spray technique, RoMat 2024, Bucuresti
9. Influence of thermal shock on plasma-sprayed coatings, BRAMAT 2024, Brasov
10. Cold Spray Coatings Morphology, EUROINVENT 2023, Iasi
11. Influence of deposition technology on chromium carbide coatings, ZASTR 2023

**Articole in curs de publicare:**

12. Mechanical finishing of the APS-coated surfaces, Archives of Metallurgy and Materials (in review)

13. Thermal Spray Deposition on Polymeric Materials, Journal UPB Scientific Bulletin (in review)

**V. Activitate profesionala**

Experienta de peste 22 de ani in vanzari, dezvoltare business si management operational in HoReCa, retail si B2B.

**VI. Activitate didactica**

Nu este cazul

**VII. Activitate profesionala extradidactica**

Participare la proiecte de cercetare si colaborari internationale, inclusiv SUA.

**VIII. Activitate stiintifica**

Activitate centrata pe tehnologia Cold Spray, acoperiri Ni/CrC si comportament mecanic, tribologic si de coroziune.

**IX. Membru in comitete**

Nu este cazul

**X. Premii si distinctii**

Nu este cazul

**XI. Limbi straine cunoscute**

Engleza – avansat; Franceza – mediu; Italiana – mediu; Spaniola – mediu