Tamara-Rita Ovári

ABOUT ME

I am a Ph.D. candidate in Chemistry at *Babeș-Bolyai University*, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Romania. My research focuses on anti-corrosive coatings based on polymers and nanomaterials. I have strong expertise in electrochemical impedance spectroscopy, dip-coating techniques, as well as scientific writing and publishing.
Currently, I am working as a Quality Manager in the automotive industry at *Electrolytic Coating*, a plating plant specialized in ZnNi (zinc-nickel) coatings.

WORK EXPERIENCE

02/2024 – CURRENT Turda, Romania

QUALITY MANAGER ELECTROLYTIC COATING

- Managing and maintaining the IATF 16949 quality management system in a ZnNi (zinc-nickel) electrolytic plating plant
- Ensuring process quality and compliance with automotive standards and customer-specific requirements
- Conducting internal and external audits, root cause analysis, and continuous improvement initiatives
- Overseeing quality control procedures, laboratory testing, and product validation

01/2022 – 04/2023 Cluj-Napoca, Romania

ASSISTANT EDITOR MDPI OPEN ACCESS PUBLISHING ROMANIA SRL

- Processing scientific papers through peer-review and publication workflows
- Maintaining communication with authors, editors, reviewers, and company representatives
- Coordinating timelines and ensuring compliance with editorial standards and scientific integrity
- Supporting the publication process from submission to final release

10/2014 – 09/2017 Apahida, Romania

PRODUCTION CHEMIST TRANSVITAL COSMETICS

- Preparation of balms and emulsions with plant extracts
- Product packaging
- Analysis

EDUCATION AND TRAINING

2018 – CURRENT Cluj-Napoca, Romania

PHD IN ANTI-CORROSIVE COATINGS Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering

- EIS measurements
- Dip coating technique
- Scientific paper writing
- Teaching electrochemistry laboratory and seminar
- UV-Vis spectroscopy, FT-IR, SEM/TEM evaluations

Address Arany Janos nr. 11, 400028, Cluj-Napoca, Romania | **Thesis** Anti-Corrosive Coatings based on Polymers and Nanomaterials

2016 – 2018 Cluj-Napoca, Romania

MASTER'S DEGREE - CHEMIST Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering

Address Arany Janos nr. 11, 400028, Cluj-Napoca, Romania | **Thesis** Increasing the bioavailability of icariin with succinic derivative

2013 – 2016 Cluj-Napoca, Romania

BACHELOR'S DEGREE - CHEMIST Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering

Address Arany Janos nr. 11, 400028, Cluj-Napoca, Romania |

Thesis Stabilizing effect of whey protein and different flavonoids/stilbenes on curcumin

LANGUAGE SKILLS

Mother tongue(s): **HUNGARIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ROMANIAN	C2	C2	C2	C1	C2
ENGLISH	C1	C2	C2	C1	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

SKILLS

Microsoft Office (Excel, PowerPoint, Word) - advanced level | Internet E-mail and Social Media | Team-work oriented | Organizational and planning skills

CONFERENCES AND SEMINARS

27/05/2019 – 30/05/2019 Split, Croatia

7th Regional Symposium on Electrochemistry for South-East Europe

Poster presentation: **Silica/graphene oxide composite coatings for corrosion protection of zinc**

17/05/2021 – 19/05/2021 Online

1st Corrosion and Materials Degradation Web Conference

Presentation: **Surface modified graphene oxides / silica composite coatings and their enhanced protective properties on zinc substrates**

29/10/2021 Online

Nemzetközi Vegyészkonferencia

Poster presentation: **Investigation of the anticorrosive effect of epoxy - silica nanoparticles composite coatings on zinc substrate**

PUBLICATIONS

2024

Correlations between the anti-corrosion properties and the photocatalytic behavior of epoxy coatings incorporating modified graphene oxide deposited on a zinc substrate

https://doi.org/10.1039/D4RA00413B

Journal Name: RSC Advances | **Publisher**: The Royal Society of Chemistry

2023

Epoxy Coatings Doped with (3-Aminopropyl)triethoxysilane-Modified Silica Nanoparticles for Anti-Corrosion Protection of Zinc

Journal Name: Coatings | **Publisher**: MDPI Open Access Publishing

2023

Temporary Anti-Corrosive Double Layer on Zinc Substrate Based on Chitosan Hydrogel and Epoxy Resin

Journal Name: Gels | **Publisher**: MDPI Open Access Publishing

2022

Corrosion behaviour of zinc coated with composite silica layers incorporating poly(amidoamine)-modified graphene oxide

Journal Name: Journal of Solid State Electrochemistry | **Publisher**: Springer