PERSONAL INFORMATION

CUIBUS DENISA - CORINA

INCDTIM, Str. Donat 67-103, Cluj-Napoca, Romania
0264584037 / 242
denisa.cuibus@itim-cj.ro

Nationality of Romanian

Date of birth 08/06/1994

PROFESIONAL EXPERIENCE

Research assistant in ecology and environmental protection

FEBRUARY 2021 – PRESENT

National Institute of Research and Development for Isotopic and Molecular Technologies, INCDTIM Cluj-Napoca, Molecular and Biomolecular Physics.

ACTIVITIES

Research activities within projects
'Nanostructured microfluidic analytical platform for dual SERS-electrochemical detection of emerging environmental pollutants"

EDUCATION AND TRAINING

2019 – present
PhD student, Technical University of Cluj-Napoca
Faculty of Materials and Environmental Engineering
Specialisation: Environmental Engineering

2017 – 2019
Dissertation Diploma, Technical University of Cluj-Napoca
Faculty of Materials and Environmental Engineering
Specialization: Advanced processes in Environmental Protection
Dissertation thesis: Studies on recycling and regeneration of electrodes from the car battery

2013 – 2017
Engineering degree / License
Technical University of Cluj-Napoca
Faculty of Materials and Environmental Engineering
Specialisation : Engineering and Environmental Protection in Industry

2009 – 2013
Baccalaureate degree, Technical College " Ana Aslan " Cluj - Napoca
Specialization: Ecologist Technician and Environmental Quality Protection

PERSONAL COMPETENCES

Native language	Romanian
Other known foreign languages	English - medium level
Computer skills	A good knowledge of Microsoft Office tools, Origin program.
Communication skills	Sociable, reliable, responsible
Driver's license	B Category

INFORMATION

Publications

11 publications (**2** ISI articles, **2** oral presentations, **7** communications at conferences)

Presentations

Conference

ISI Articles

1. Simona Rada, **Denisa Cuibus**, H. Vermesan, P. Pascuta, E. Culea, Structural and Electrochemical properties of recycled active electrodes from spent lead acid battery and modified with different manganese dioxide contents, ***Electrochemical Acta*** 268 (**2018**)332-339*.*
2. S. Rada, M. Unguresan, M. Rada, **D. Cuibus**, J. Zhang, A. Pengfei, R. Suciu, A. Bot, E. Culea, Manganese-lead-lead glass dioxide ceramics as electrode materials, **J. Electrochemical Society** 166 (16) (**2019**) A3987-A3996.

Oral presentations:

1. **D. Cuibus**, S. Rada, H. Vermesan, P. Pascuta, E. Culea, Research on the recycling of electrodes from a used car battery and their doping with manganese dioxide, ***Simtech Student Scientific Communication Session 2017***, May 25, 2017, Cluj-Napoca, page 5.
2. **D. Cuibus**, H. Vermesan, E. Culea, S. Rada, Vitroceramic electrodes obtained from reagents versus electrodes recycled from the car battery, ***Simtech Student Scientific Communications Session 2019***, May 17, 2019, Cluj-Napoca, page 20.

Scientific communications at national and international conferences

1. Denisa Cuibus, Simona Rada, H. Vermesan, R.C. Suciu, S. Macavei, M. Rada, E. Culea, A. Bot, Electrodes obtained by the recycling of spent car batteries and the doping with manganese (IV) oxide, ***The 17thInternational Balkan Workshop on Applied Physiscs, IBWAP 2017***, July 11-14, 2017, Constanta,

2. R.C. Suciu, **Denisa Cuibus**, Simona Rada, P. Păşcuţă, H. Vermeşan, M. Rada, E. Culea, XRD and spectroscopic investigations of manganese-lead-lead dioxide vitroceramics, The ***17thInternational Balkan Workshop on Applied Physiscs, IBWAP 2017***, July 11-14, 2017, Constanta.

3. S. Rada, M. Rada, **D. Cuibus**, H. Vermesan, E. Culea, The optimization of the recycled lead with manganese dioxide contents for the applications on the automobile batteries, *XXXIV European Congress on Molecular Spectroscopy (EUCMOS 2018)* Coimbra – Portugal, 19-24 August **2018**, OC 42.

4. M Rada, M Zagrai, **D Cuibus**, S Macavei, R Erhan, V Bodnarchuk and S Rada, 2019. "Structural investigation of recycled and vanadium-copper doped materials "12th International Conference Processes in Isotopes and Molecules (PIM), Book of Abstracts, September 2019, Cluj - Napoca, Romania, 2019, POSTER T3-15, pp.72.

5. I Brezeştean, D. Cuibus, N Tosa, A Falamas, C Muntean, A Bende, and C. Farcău 2021. " Surface-enhanced Raman spectroscopy of endosulfan pesticides on silver nanoparticle films fabricated by convective selfassembly"13th International Conference Processes in Isotopes and Molecules (PIM), Book of Abstracts, September 2021, Cluj - Napoca, Romania, 2021, POSTER T2.

6. I. Brezeştean, D. Cuibus, N. Tosa, S. Boca, C. Muntean, A. Falamas, A. Bende, and C. Farcău 2021. " Surface-enhanced Raman spectroscopy of propranolol on different SERS substrates- astep towards

dual SERS – electrochemical sensors for pharmaceutical pollution monitoring"13th International Conference Processes in Isotopes and Molecules (PIM), Book of Abstracts, September 20 21, Cluj - Napoca, Romania, 2021, POSTER T2-34.

7. D. Cuibus, H. Vermesan, S. Rada, S. Macavei, E. Culea, 2019. "Manganese oxide - antimony oxide - lead - lead dioxide vitroceramics "13th International Conference Processes in Isotopes and Molecules (PIM), Book of Abstracts, September 2021, Cluj-Napoca, Romania, 2021, POSTER T3-23.

Awards

1. First Award at ***the SIMTECH Scientific Communication Session 2017*** Cluj-Napoca, Environmental Engineering section, with the paper "Research on the recycling of electrodes from a used car battery and their doping with manganese dioxide" elaborated by **Denisa Cuibus,** Simona Rada, H. Vermeşan, P. Păşcuţă, E. Culea.

2. Mention at the SIMTECH ***Scientific*** Uniques ***Session 2019*** Cluj-Napoca, Environmental Engineering section, with the paper "Vitroceramicelectrodes obtained from reagents versus electrodes recycled from the car battery" elaborated by **Denisa Cuibus,** H. Vermeşan, E. Culea. Simona Rada.

Participation in research projects

1. Bridge project with No. 106BG/2016, the topic of Expertise of zirconium oxide partially stabilized with other oxides for applications in dentistry, project director: assoc. prof. ably. dr. Rada Simona, **member of the project.**

2. Bilateral Project Romania-China mobilities No. 13BM/2018 with the theme "Optimizationof recycled lead for applications to the automotive battery", project director: CIS. adroit. Dr. Rada Simona, **member of the project.**