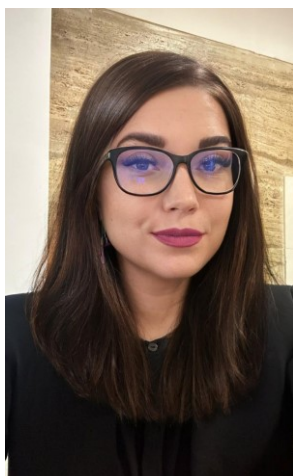


PERSONAL INFORMATION

 Dr. Livia Alexandra **DINU (GUGOAȘĂ)**


📍 21st Biserica Alexe Street, 040269, Bucharest, Romania

☎ +40745473274

✉ liviaalexandradinu@gmail.com ; livia.dinu@imt.ro

Gender Female | **Date of birth** 25/11/1988 | **Nationality** Romanian
H Index = 16/13 (**Google Scholar/ WOS**);

Brain map ID: U-1700-037N-5552;

Orcid ID: 0000-0002-3264-2548

Researcher ID: AAP-6111-2020

<https://publons.com/researcher/2016148/livia-a-dinu-gugoasa/>

<https://scholar.google.ro/citations?user=yuTdPqsAAAAJ&hl=ro>

WORK EXPERIENCE

Nov 2021 – Present

Scientific Researcher II (CS II) (OM nr 609/14.10.2021)

National Institute for Research and Development in Microtechnologies (IMT Bucharest), 126A Erou lancu Nicolae Street, 077190 Voluntari (Ilfov), Romania www.imt.ro

- National/European project applications
- Electrochemical sensors and biosensors
- Microfabrication of electrochemical devices
- Wet etching process
- Chronoamperometry, Differential Pulse Voltammetry, Cyclic Voltammetry, Square Wave Voltammetry, Linear Sweep Voltammetry
- Electrochemical Impedance Spectroscopy
- Electrodeposition of metallic nanoparticles
- Molecularly imprinted polymers (MIPs)
- Microsensors design
- Functionalized screen-printed electrodes
- Biomarkers
- Phenolic and polyphenol compounds; pesticides
- Water contaminants
- Optical methods: Fluorescence, Chemiluminescence, UV-Vis
- Wet etching of thin films
- Water applications
- Biomedical applications

May 2020 – Oct 2021

Scientific Researcher III (CS III)

National Institute for Research and Development in Microtechnologies (IMT Bucharest), 126A Erou lancu Nicolae Street, 077190 Voluntari (Ilfov), Romania www.imt.ro

- Research grants fundraising
- Electrochemical sensors and biosensors
- Microfabrication of electrochemical devices
- Wet etching process
- Chronoamperometry, Differential Pulse Voltammetry, Cyclic Voltammetry, SWV, LSV
- Electrochemical Impedance Spectroscopy
- Nano/Microsensors design
- Biomarkers
- Optical methods: Fluorescence, Chemiluminescence, UV-Vis

Feb 2016 – Apr 2020

Scientific Researcher III (CS III)

National Institute of Research for Electrochemistry and Condensed Matter, Laboratory of Electrochemistry and **PATLAB**, Bucharest, Romania www.incemc.ro

- Literature survey
- Stochastic microsensors, electrochemical microsensors, multimode microsensors,
- Paste electrodes, Screen printed electrodes;
- Experimental data and results interpretation
- Chronoamperometry, Differential Pulse Voltammetry, Cyclic Voltammetry, SWV, LSV
- Electrochemical Impedance Spectroscopy
- Microsensors design
- Biomarkers
- Optical methods: Fluorescence, Chemiluminescence, UV-Vis

Responsible for 2 PhD Students and 2 Master Students

June – Sept 2018 **Post-natal medical leave**

May 2018 – Apr 2020 **Project Manager- National Research Project**

National Institute of Research for Electrochemistry and Condensed Matter, Laboratory of Electrochemistry and PATLAB, Bucharest, Romania

- Project financed by **UEFISCDI - PN-III-P1-1.1-PD-2016-0190**
- Project title: *Electrochemical and optical studies of the influence of selected substances responsible for precocious puberty*
<http://postdoc-research.eu/>
- Management of the project
- Literature survey
- Dissemination
- Stochastic microsensors, amperometric microsensors, multimode microsensors,
- Modified screen-printed electrodes,
- Experimental measurements, data and results interpretation
- Chronoamperometry, Differential Pulse Voltammetry, Cyclic Voltammetry, Electrochemical Impedance Spectroscopy, Square Wave Voltammetry, Linear Sweep Voltammetry
- Microsensors design
- Biomarkers responsible for precocious puberty
- Optical methods: Fluorescence, Chemiluminescence, UV-Vis

Business or sector Science Research

Oct 2014 – Jan 2016 **Scientific Researcher (CS)**

National Institute of Research for Electrochemistry and Condensed Matter, Laboratory of Electrochemistry and PATLAB, Bucharest, Romania

- Literature survey
- Stochastic microsensors, amperometric microsensors, multimode microsensors
- Experimental data and results interpretation
- Chronoamperometry, Differential Pulse Voltammetry, Cyclic Voltammetry
- Microsensors design
- Biomarkers

Business or sector Science Research

Feb 2015 – May 2015 **Guest Scientific Researcher**

Analytical Chemistry Department in Ruhr Universität Bochum, Germany under the supervision of Prof. Dr. Wolfgang Schuhmann

- SECM measurements for carbon paste based electrodes (CPE)
- Preparation of Pt ultramicroelectrodes (UMEs)
- CV measurements for the test of the UMEs

Business or sector Science Research

Ian 2012 – Sept 2014 **Research Assistant (ACS)**

National Institute of Research for Electrochemistry and Condensed Matter, Laboratory of Electrochemistry and PATLAB, Bucharest, Romania

- Literature survey
- Stochastic microsensors, amperometric microsensors, multimode microsensors
- Biosensors based on DNA
- Experimental data and results interpretation
- Chronoamperometry, Differential Pulse Voltammetry, Cyclic Voltammetry
- Microsensors design
- Biomarkers

Business or sector Science Research

Sept 2010 - Sept 2011

Master Student – Research Assistant

Faculty of Chemistry, University of Bucharest, Romania

- Cyclic Voltammetry
- Carbon electrode preparation
- Literature survey
- Experimental data and results interpretation
- Prepare solutions and sensors
- I have assisted my attending teacher, Prof Dr Anton Ciucu, at his laboratories with 3rd year students

Business or sector Science Research, Education

EDUCATION

December 2015

PhD Degree (OMECS 5954 din 07.12.2015)

Oct 2012 – Sept 2015

PhD in Chemistry

Scrieți nivelul EQF, dacă îl cunoașteți

Faculty of Applied Chemistry and Material Science, Politehnica University of Bucharest, Romania

- Electrochemical sensors
- Biosensors
- Nanomaterials
- Biomarkers for obesity, inflammation and cardiovascular diseases
- Thyroid and sexual hormones
- Biological samples – analytical applications

Oct 2010 – June 2012

Master of Science Degree – Chemistry of Advanced Materials

Scrieți nivelul EQF, dacă îl cunoașteți

Faculty of Chemistry, University of Bucharest, Romania

- Nano materials,
- DNA based biosensor
- Master Thesis: DNA based biosensors for the detection of neurotransmitters in biological samples
Grade: 10

Oct 2007 – June 2010

Bachelor of Science Degree in Chemistry –Biochemistry Specialization

Scrieți nivelul EQF, dacă îl cunoașteți

Faculty of Chemistry, University of Bucharest, Romania

- Bachelor Thesis: Determination of dopamine using a chemically modified carbon paste electrode
Grade: 10

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
	English	C1	C1	C1	
Spanish	B2	B2	A2	A2	A1

- Communication skills**
- Teaching skills – in the lab I teach a seminar and I supervise 4 Students
 - Public speaking and making presentations skills
 - Very focused with coherent thinking and a good memory
 - Ability to learn fast and to process the information quickly
 - Good communication skills (listening and speaking);
- Organisational / managerial skills**
- Very good time-management – Able to create and keep deadlines
 - Multitasking and ability to prioritize the most important tasks.
 - Team leader skills (I was class responsible during high-school and college, and lab responsible after I have finished my PhD)
 - Teamwork skills
 - Goal setting
 - Very organized and punctual
 - Self-motivated
- Job-related skills**
- Ability to work under pressure
 - Able to perform data analysis (experimental work in the lab);
 - Familiar with AUTO Lab and IVIUM equipment and software (GPES, Nova, PSTAT, PSTrace)
 - Basic SECM measurements using ultra microelectrodes;
 - Able to run scientific instruments for various chemical measurements;
 - pH meter, analytical balance, solution preparation, centrifuge, thermoshaker; drying oven, ultrasound bath, ultra-pure water machine; fume hood.
- Computer skills**
- good command of Microsoft Office™ tools and Sigma Plot, Origin, mindthegraph.com;
 - operating systems: Windows, IOS and Android;
 - good command of Auto Lab and IVIUM Software; SECM software
- Hobbies**
- photography, reading
 - sports: tennis, basketball, football, snowboarding
 - hiking, fishing, cycling
- Driving licence**
- B

ADDITIONAL INFORMATION PAPERS

1. Integrated Nanozyme Electrochemical Sensor for the Detection of Tannic Acid: An Advanced Approach to Rapid and Efficient Environmental Monitoring
LA Dinu (corresponding author), AM Baracu, EI Geana, C Parvulescu, MC Stoian, O Brincoveanu, C Pachiu, S Kurbanoglu
Applied Surface Science Advances, 21, **2024**, 100602
IF: 6.2 Q1
DOI: <https://doi.org/10.1016/j.apsadv.2024.100602>
2. Demonstration of microwave harvesting through pyroelectricity in cryogenic conditions: a quantum-to-experimental approach
M. Aldrigo, M. Dragoman, A Dinescu, D. Vasilache, S Iordanescu, LA Dinu, D. Dragoman, E Laudadio, E Pavoni, L Pierantoni, D Mencarelli,
IEEE Microwave and Wireless Technology Letters, **2024**,
3. Hybrid Nanomaterial-Based Indirect Electrochemical Sensing of Glyphosate in Surface Water: A Promising Approach for Environmental Monitoring
EI Geana, AM Baracu, MC Stoian, O Brincoveanu, C Pachiu and **LA Dinu (corresponding author)**
Environmental Science Processes & Impacts, 25 (12), **2023**, 2057-2066
IF: 5.5 Q1 AIS WOS: 001087679900001
DOI: <https://doi.org/10.1039/D3EM00355H>
4. Enhancing electrochemical sensing through the use of functionalized graphene composites as nanozymes
LA Dinu, S Kurbanoglu
Nanoscale, 15 (41), **2023**, 16514-16538
IF 6.7 Q1 AIS WOS: 001078179600001
DOI: <https://doi.org/10.1039/D3NR01998E>
5. Investigation of wet etching technique for selective patterning of ferroelectric zirconium-doped hafnium oxide thin films for high-frequency electronic applications
LA Dinu, C Romanitan, M Aldrigo, C Parvulescu, F Nastase, S Vulpe, R Gavrilă, P Varasteanu, AB Serban, R. Noumi, OM Ishchenko
Materials & Design, 223, **2023**, 112194
IF 8.4 Q1 AIS WOS:001060707200001
DOI: <https://doi.org/10.1016/j.matdes.2023.112194>
6. The non-enzymatic detection of the pollutant bisphenol A using S-graphene as nanozyme material,
LA Dinu, AM Baracu, O Brincoveanu
2022 International Semiconductor Conference (CAS), 95-98, 2022
DOI: [10.1109/CAS56377.2022.9934301](https://doi.org/10.1109/CAS56377.2022.9934301)
7. Sulfur-doped graphene-based surface acoustic wave sensors for NO₂ detection
AM Baracu, V Buiculescu, **LA Dinu**, C Brasoveanu
2022 International Semiconductor Conference (CAS), 269-272, 2022
DOI: <https://doi.org/10.1109/CAS56377.2022.9934549>
8. Electrodeposited Copper Nanocubes on Multi-Layer Graphene: A Novel Nanozyme for Ultrasensitive Dopamine Detection from Biological Samples
LA Dinu (corresponding author), S Kurbanoglu, C Romanitan, S Pruneanu, A Serban, M Stoian, C Pachiu, G Craciun
Applied Surface Science, 604, **2022**, 154392
IF 7.379 TOP 1 WOS: 000868420700001
DOI: <https://doi.org/10.1016/j.apsusc.2022.154392>
9. Recent Progress on Nanomaterials for NO₂ Surface Acoustic Wave Sensors
LA Dinu, V Buiculescu, AM Baracu
Nanomaterials, 12, 2120, **2022**
IF 5.719 Q1
DOI: <https://doi.org/10.3390/nano12122120>
10. Electrochemical characterization and application of a gold microfabricated device

- LA Dinu Gugoasa (corresponding author)**, AM Baracu, G. Craciun
2021 Proceedings of the International Semiconductor Conference (CAS), 283-286,
2021, IEEE Publisher, ISI indexed. <https://ieeexplore.ieee.org/document/9604180>
11. Graphene-gold nanoparticles nanozyme-based electrochemical sensor with enhanced laccase-like activity for determination of phenolic substrates
LA Dinu Gugoasa (corresponding author), Florina Pogacean, Sevinc Kurbanoglu, Lucian-Barbu Tudoran, Andreea Bianca Serban, Irina Kacso, and Stela Pruneanu
Journal of The Electrochemical Society, 168, **2021**, 067523 Gold OPEN ACCESS, **IF 4.312** Q1 Published 28 June 2021
WOS:000669980000001
DOI: <https://doi.org/10.1149/1945-7111/ac0c32>
 12. Recent advances in microfabrication, design and applications of amperometric sensors and biosensors
AM Baracu, **LA Dinu Gugoasa (corresponding author)**,
Journal of The Electrochemical Society, 168, **2021**, 037503 Published 02 March 2021,
Gold OPEN ACCESS, **IF 4.312**, Q1
WOS:000625967000001
DOI: <https://doi.org/10.1149/1945-7111/abe8b6>
 13. Gold nanoparticles - graphene quantum dots nanozyme for a wide and sensitive electrochemical determination of quercetin in plasma droplets,
C Stefanov, C Cioates Negut, **LA Dinu Gugoasa (corresponding author)**, JF van Staden,
Microchimica Acta, 187, **2020**, 611, Published 16 Oct 2020 **IF 6.21 Q1**
WOS:000578069800001
DOI:[10.1007/s00604-020-04587-y](https://doi.org/10.1007/s00604-020-04587-y)
 14. Myoglobin-silver reduced graphene oxide nanocomposite stochastic biosensor for the determination of luteinizing hormone and follicle stimulating hormone from saliva samples,
LA Dinu Gugoasa (corresponding author), RI Stefan-van Staden, JF van Staden, M Coros, SM Pruneanu,
Analytical and Bioanalytical Chemistry, 412 **2020**, 5191-5020 **IF 3.637 RED ZONE**
Early access May 2020; Published Aug 2020 WOS:000531774300003 **SRI 1.531**
DOI:[10.1007/s00216-020-02663-z](https://doi.org/10.1007/s00216-020-02663-z)
 15. Rapidly renewable graphite paste electrode modified with 5,10,15,20-tetrakis(4-methoxyphenyl)-21H,23H-porphine cobalt (II) for electrochemical determination of nicotinic acid,
C Cioates Negut, C Stefanov, **LA Dinu Gugoasa**, J (KOOS) F van Staden,
Journal of Electroanalytical Chemistry, 863, **2020**, 114063, **IF 3.807 RED ZONE**,
<https://doi.org/10.1016/j.jelechem.2020.114063>
 16. Sensitive voltammetric determination of riboflavin in pharmaceutical and biological samples using FSN-Zonyl-Nafion modified carbon paste electrode
C Stefanov, C Cioates Negut, **LA Dinu Gugoasa**, J (KOOS) F van Staden
Microchemical Journal, 155, **2020**, 104729, **IF 3.594 RED ZONE**
doi.org/10.1016/j.microc.2020.104729
 17. Voltammetric determination of bisphenol a with a silver-reduced graphene oxide composite paste microsensor
LA Gugoasa (corresponding author), RI Stefan-van Staden, JF van Staden, SM Pruneanu, M Coros
Proceedings of the International Semiconductor Conference (CAS), **2019**, 159-162, IEEE Xplore Digital Library, [10.1109/SMICND.2019.8923716](https://doi.org/10.1109/SMICND.2019.8923716)
WOS:000514295300033
 18. Electrochemical sensors for determination of the endocrine disruptor, bisphenol A
LA Dinu Gugoasa*
Journal of The Electrochemical Society, 167(1), UNSP 37506, **IF 3.721** DOI:
10.1149/2.0062003JES **RED ZONE** **WOS:000499627900002**; Published online 20 nov 2019
SRI 1.923
 19. Graphene-based sensors in clinical analysis
LA Gugoasa*
American Journal of Biomedical Science and Research, 3, **2019**, 361-362 **IF 0.823 (2019)**
 20. Electrochemical determination of bisphenol A in saliva by a novel three-dimensional (3D) printed

- gold-reduced graphene oxide (rGO) composite paste **WOS:000470393800001** PUB: **02 Nov 2019**
LA Gugoasa*, RI Stefan-van Staden, JF van Staden, M Coros, SM Pruneanu,
Analytical Letters, 52(16), **2019**, 2583-2606 **IF 1.467 GREY ZONE**
AIS: 0.186 DOI 10.1080/00032719.2019.1620262
21. Electrochemical sensors for the assay of zinc ions in whole blood samples
 I Popa-Tudor, **LA Gugoasa**, RI Stefan-van Staden
U.P.B. Scientific Bulletin 81 (2019) 103-108 **ISI Journal**
 22. Pattern recognition of p53 and KRAS in whole blood samples
 RI Stefan-van Staden, RM Ilie-Mihai, **LA Gugoasa**, C. Stanciu-Gavan
Journal of Electrochemical Society, 166, **2019**, B183-B186 **IF 3.662 Q1**
 23. Determination of Cadmium (II), Copper (II), Mercury (II), and Lead (II) in water using stochastic sensors based on graphite and diamond paste modified with 1h-pyrrole-1-hexanoic acid
 RI Stefan-van Staden, JF van Staden, **LA Gugoasa**, LR Popescu-Mandoc
Analytical Letters, 52, **2019**, 803-812 **IF 1.206 Q3**
 24. Electrochemical determination of the KRAS genetic marker for colon cancer with modified graphete and graphene paste electrodes
 AJ Muklive Al-Ogaidi, RI Stefan-van Staden, **LA Gugoasa**. MC Rosu, C Socaci
Analytical Letters, 51, **2018**, 2820-2832 **IF 1.206 Q3**
 25. Molecular recognition of IL-8, IL-10, IL-12, IL-15 in biological fluids using phtalocyanine-based stochastic sensors
 RI Stefan-van Staden, RM Ilie-Mihai, **LA Gugoasa**, A Bilasco, CA Visan, A Streinu-Cercel
Analytical and Bioanalytical Chemistry, 410, **2018**, 7723-7737 **IF 3.307 RED ZONE**
 26. Advanced methods for analysis of testosterone
LA Gugoasa, R.I. Stefan-van Staden **DOI: 10.2174/0929867324666170724102602**
Current Medicinal Chemistry, 25, **2018**, 4037-4049 **IF 3.469 RED ZONE**
WOS:000448120700007
AIS: 0.788
 27. Salivary biomarkers of inflammation in systematic lupus erythematosus,
 Il Stanescu, B Calenic, A Dima, **LA Gugoasa**, E Balanescu, RI Stefan-van Staden, C Baicus, DG Badita, M Greabu
Annals of Anatomy - Anatomischer Anzeiger, 219, **2018**, 89-93 **IF 1.852 YELLOW ZONE**
 28. Molecular recognition of nitrites and nitrates in water samples using graphene based stochastic microsensors
 R.I. Stefan-van Staden, M Mincu, JF van Staden, **L.A. Gugoasa**
Analytical Chemistry, 90, **2018**, 9997-10000 **IF 6.042 RED ZONE**
 29. Pattern recognition of 8-hydroxy-2'-deoxyguanosine in biological fluids
 RI Stefan-van Staden, LR Balahura, **LA Gugoasa**, H Aboul-Enein, JF van Staden, M.C. Rosu, S.M. Pruneanu **DOI: 10.1007/s00216-017-0698-7**
Analytical and Bioanalytical Chemistry, 410, **2018**, 115-121 **IF 3.307 RED ZONE**
WOS:000419117600014
 30. Molecular recognition of pyruvic acid and folic acid in whole blood samples
 RI Stefan-van Staden, AM Diaconeasa, **LA Gugoasa**, MC Rosu, S Pruneanu
RSC Advances, 7, **2017**, 50072-50078, **IF 3.289 YELLOW ZONE**
 31. Nanostructured materials detect dopamine in biological fluids
 RI Stefan-van Staden, LR Balahura, A Oprisanu-Vulpe, **LA Gugoasa**, JF van Staden, E-M Ungureanu, C Socaci, AS Porav,
Journal of the Electrochemical Society, 164(12), **2017**, B561-B566 **IF 3.662 Q1**
 32. Determination of p53 using graphite based amperometric sensors,
 RI Stefan-van Staden, AJ Muklive AL`Ogaidi, **LA Gugoasa**, H Yanik, M Goksel, M Durmus
Journal of the Electrochemical Society, 164(12), **2017**, B502-B505. **IF 3.662 Q1**
 33. Molecular recognition of colon cancer biomarkers: P53, KRAS and CEA in whole blood samples
L.A. Gugoasa, A.J. Muklive AL`Ogaidi, R.I. Stefan-van Staden, C. Stanciu-Gavan, J.F. Van

- Staden, M.C. Rosu, S.M. Pruneanu DOI: 10.1149/2.1191709jes
Journal of The Electrochemical Society, 164(9), 2017, B443-B447 IF 3.662 RED ZONE
WOS:000413256400045 SRI 1.984 published in 2017
34. Multimode microsensors based on Ag-TiO₂-graphene materials used for the molecular recognition of carcinoembryonic antigen in whole blood samples
LA Gugoasa, AJ Muklive AL`Ogaidi, RI Stefan-van Staden, A El-Khatib, MC Rosu, S Pruneanu,
RSC Advances, 7, 2017, 28419-28426 IF 3.289 YELLOW ZONE
WOS:000402999300055 published in 2017
 35. A new potentiometric sensor for the assay of P53 in blood samples
AJ Muklive AL`Ogaidi, RI Stefan-van Staden, **LA Gugoasa**, JF van Staden, H Yanik, M Goksel, M Durmus
U.P.B. Scientific Bulletin 79 (2017) 113-119 ISI Journal
 36. Pattern recognition of adipokines in whole blood samples using stochastic sensing
L.A. Gugoasa, R.I. Stefan-van Staden, O.C. Rusu
Microsystem Technologies, 22 (2016) 11-16 IF 0.875/1.513 GREY ZONE
 37. New platforms for fast assessment of levels of testosterone, dihydrotestosterone and estradiol in children's saliva
L.A. Gugoasa, R.I. Stefan-van Staden, J.F. van Staden, B. Calenic, J. Legler
Analytical Letters, 49 (2016) 335-341 IF 1.206 GREY ZONE
 38. Stochastic sensing determination of serum and salivary interleukin-6 in low disease activity systematic lupus erythematosus patients
LA Gugoasa, A. Dima, CA Visan, A. Streinu-Cercel, A Biris, B Calenic, RI Stefan-van Staden
Clinical and experimental rheumatology, 33(3), 2015, S27, IF 2.724/3.238 GREY ZONE
WOS:000360421900098
 39. Fast screening of biological fluids for cytokines and adipokines using stochastic sensing
LA Gugoasa, RI Stefan-van Staden, A Dima, C.A. Visan, A. Streinu-Cercel, A. Biris, B. Calenic
Microelectronic Engineering, 148 (2015) 64-69 IF 1.277/1.654 GREY ZONE
 40. New nanocomposites-graphene pastes based stochastic microsensors
R.I. Stefan-van Staden, **L.A. Gugoasa**, C. Socaci, A.R. Biris
RSC Advances, 5 (2015) 66185-66191 IF 3.289 YELLOW ZONE
 41. Multimode microsensors based on carbon matrices used for the assay of IL-6 in whole blood
L.A. Gugoasa, R.I. Stefan-van Staden
ECS J Solid State Sci Technol, 4(10) (2015) S3006-S3010 IF 1.650 GREY ZONE
 42. Pattern recognition of monocyte chemoattractant protein-1 (MCP-1) in whole blood samples using new platforms based on nanostructured materials
R.I. Stefan-van Staden, **L.A. Gugoasa**, Biris A.R.; DOI: 10.1039/c5nr03064a
Nanoscale 7(36), 14848-14853, 2015 Outside back cover IF 7.760/7.233 RED ZONE
WOS:000360831100007
 43. Novel Textile Material Based Disposable Sensors for Biomedical Analysis,
R.I. Stefan-van Staden, **L.A. Gugoasa**, M. Badulescu, C.C. Surdu-Bob,
RSC Advances 5 (2015) 45545-45550 IF 3.289 YELLOW ZONE
 44. Multimode sensors as new tools for assessing the levels of testosterone, dihydrotestosterone and estradiol in children's saliva
L.A. Gugoasa, R.I. Stefan-van Staden, B. Calenic, J. Legler
Journal of Molecular Recognition 28(1) (2015) 10-19 IF 2.091/1.919 GREY ZONE
 45. Pattern recognition of estradiol, testosterone and dihydrotestosterone in children's saliva samples using stochastic microsensors
R.I. Stefan-van Staden, **L.A. Gugoasa**, B. Calenic, J. Legler
Scientific Reports 4 (2014) 5579 DOI: 10.1038/srep05579 IF 5.578/4.011 RED ZONE
 46. Amperometric microsensors based on inulins for the assay of L-T3 and L-T4,

L.A. Gugoasa, R.I. Stefan-van Staden, G. Bazylak, J.F. van Staden, G.L. Radu,
U.P.B. Scientific Bulletin 76(3) (2014) 67-74 **ISI Journal**

47. Screening of children saliva samples for bisphenol A using stochastic, amperometric and multimode microsensors
R.I. Stefan-van Staden, **L.A. Gugoasa**, B. Calenic, J.F. van Staden, J Legler
Analytical Chemistry Research 1 (2014) 1-7 **Elsevier Journal**
48. A genetic screening test for obesity based on stochastic sensing
R.I. Stefan-van Staden, **L. A. Gugoasa**, J.F. van Staden, O. C. Rusu
Journal of The Electrochemical Society, 161(9), 2014, B167-B170. **IF 3.662 RED ZONE**
49. Influence of the physical immobilization of dsDNA on the carbon-based matrices of electrochemical sensors
L. A. Gugoasa, R.I. Stefan-van Staden, A.A. Ciucu, J.F. van Staden
Current Pharmaceutical Analysis, 10(1), 2014, 20-29. **IF 0.885 GREY ZONE**

Book Chapter

1. **LA Dinu Gugoasa***, C Negut Cioates, C Stefanov. *Chapter 12 Electrochemical applications of inorganic materials doped quantum dots in Electroanalytical Applications of Quantum Dot Based Biosensors*, **2021** 395-425; Editor Bengi Uslu, **Elsevier**

Invited Keynote

1. *Metallic nanoparticles-graphene nanohybrids as artificial enzymes for environmental and biomedical electrochemical applications*, April 18-24th **2024**, **9th International Congress on Biomaterials and Biosensors (BIOMATSEN-2024)**
2. *Metallic nanoparticles-graphene nanohybrids as artificial enzymes for environmental and biomedical electrochemical applications*, **October 27-29th 2021 International Conference on Biotechnology and Bioengineering (11th ICBB)**, Virtual event
3. *Electrochemical Determination of Bisphenol A in Saliva by Novel Three-Dimensional (3D) Printed Gold-Reduced Graphene Oxide (rGO) Composite Paste Electrode*, **February 19th-20th 2020**, **The International Conference on Medicinal Chemistry & Drug Discovery**, Amsterdam, The Netherlands
4. *Stochastic sensors as screening tools for obesity and related diseases*, **3rd International Conference on Analytical Chemistry – Analytical Chemistry for a Better Life “RO-ICAC16” – 28-31st August 2016**, Iasi, Romania
5. **2015-invited lecture at a PhD Workshop** held at Ruhr University, Bochum, Germany;

Oral Presentations

1. New Tools for the Screening for Obesity, RI Stefan-van Staden, **LA Gugoasă**, JF Van Staden, 223rd ECS Meeting in Toronto, Ontario, Canada, May 2013;
2. Multimode sensors for BPA assay in children's saliva, **LA Gugoasă**, RI Ștefan-van Staden, JF van Staden, B Calenic, International Conference CHIMIA 2014 "New trends in applied chemistry" 23 – 24 May 2014, Constanta, Romania
3. Pattern recognition of estradiol, testosterone and dihydrotestosterone in children saliva samples using stochastic sensing, **LA Gugoasa**, RI Stefan-van Staden, B.Calenic, The 3rd International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences "IC-ANMBES 2014" – June 13-15, 2014 Brasov,Romania.
4. Novel fabric materials used for stochastic sensing in whole blood samples, **LA Gugoasa**, RI Stefan-van Staden, 2nd International Conference on Analytical Chemistry – Analytical Chemistry for a Better Life "RO-ICAC14" – September 17-21, 2014, Targoviste, Romania. **ISSN 2061-9248**
5. Multimode microsensors based on carbon matrices for the screening of whole blood for IL-6, RI Stefan-van Staden, **LA Gugoasă**, 227th ECS Meeting in Chicago, Illinois, USA, 24-28 May 2015
6. New tools for prediction and assessment of obesity in children, RI Stefan-van Staden, **LA Gugoasă**, The 4th International Symposium of ADIPOBIOLOGY AND ADIOPHARMACOLOGY (ISAA), 28-31 October 2015, Bucharest, Romania
7. A new approach of biological fluids screening for early diagnosis of diabetes, RI Stefan-van Staden, C Ionescu-Tirgoviste, **LA Gugoasă**, The 10th ANNUAL CONGRES of ROMANIAN MEDICAL ASSOCIATION, 25-27 April 2016, Bucharest, Romania **EXCELLENCE DIPLOMA**
8. Pattern recognition of colon cancer biomarkers from whole blood samples using stochastic sensors, **LA Gugoasa**, RI Stefan-van Staden, IR Comnea-Stancu, C Stanciu-Gavan, ACS on Campus, 13th of May 2016, Bucharest, Romania
9. Determination of P53 using graphite and graphene based amperometric sensors, AJ Muklive AL-Ogaidi, **LA Gugoasa**, RI Stefan-van Staden, 3rd International Conference on Analytical Chemistry – Analytical Chemistry for a Better Life "RO-ICAC16" – 28-31st August 2016, Iasi, Romania
10. New nanostructured material detects 8-hydroxy-2'-deoxyguanosine, LR Balahura, RI Stefan-van Staden. **LA Gugoasa**, JF van Staden, HY Aboul-Enein, MC Rosu, C. Socaci, 3rd International Conference on Analytical Chemistry – Analytical Chemistry for a Better Life "RO-ICAC16" – 28-31st August 2016, Iasi, Romania
11. Assessment of P53 using graphite based amperometric sensors, AJ Muklive AL-Ogaidi, **LA Gugoasa**, RI Stefan-van Staden, 12th Edition of PRIOCHEM, October 27-28th 2016, Bucharest, Romania.
12. Molecular Recognition of C-Reactive Protein, Adiponectin and Zn²⁺ in serum samples, I Popa-Tudor, RI Stefan-van Staden, **LA Gugoasa**, C Ionescu-Tirgoviste, The 11th Annual Congress of the Romanian Medical Association, April 22-24th 2017, Romanian Academy, Bucharest, Romania.
13. Molecular recognition of IL-8, IL-10, IL-12, and IL-15 in biological fluids using phthalocyanine based stochastic sensors, RM Ilie, RI Stefan-van Staden, **LA Gugoasa**, A Bilasco, CA Visan, A Streinu-Cercel, 4th Romanian International Conference on Analytical Chemistry (RO`ICAC2018), September 1-3rd, Bucharest, Romania. **BEST ORAL PRESENTATION AWARD** Sponsored by the **Romanian Chapter of ACS**.
14. Ultra-Sensitive Electrochemical Determination of Quercetin Using Gold Nanoparticles and Graphene Quantum Dots from Plasma Droplets - **LA Dinu**, CC Negut, C Stefanov, JF van Staden - The 43rd

International Semiconductor Conference CAS 2020 (an IEEE event) October 7-9, 2020, virtual event
BEST PAPER AWARD

15. Graphene-gold nanoparticles nanozyme-based electrochemical sensor with enhanced laccase-like activity for determination of phenolic substrates, **LA Dinu Gugoasa***, F Pogacean, S Kurbanoglu, L Barbu Tudoran, AB Serban, I Kacso, S Pruneanu, 18th International Conference on Electroanalysis ESEAC 2022 June 5-9, 2022, Vilnius, Lithuania
16. Electrochemically synthesized copper nanocubes as nanozyme for dopamine detection from plasma samples – **LA Dinu***, S Kurbanoglu, C Romanitan, S Pruneanu, AB Serban, M.C. Stoian, C Pachiu, G Craciun, The 45th International Semiconductor Conference CAS 2022 (an IEEE event) October 12-14, 2022
17. Gold-Decorated Graphene Hybrid Nanomaterial Integrated with A Sensing Device for Agricultural Applications - **L.A. Dinu**, I. Geana, A. Baracu, M. Stoian, O. Brincoveanu, C. Pachiu, The 20th International Conference on Nanosciences & Nanotechnologies (NN23), July 3-8, Thessaloniki, Greece
18. Enabling high selectivity in electrochemical sensing for agricultural applications through the integration of microfabricated devices with artificial recognition elements, **L.A. Dinu**, A.M. Baracu, P. Vărășteanu, O. Brîncoveanu, C. Pârvolescu, The 46th International Semiconductor Conference CAS 2023 (an IEEE event) October 13-15, 2023
19. Multiclass pesticide residues in surface water collected from middle and lower course of Olt River, Romania, EI Geana, CT Ciucure, **LA Dinu**, Interdisciplinary workshop “Modern approaches to feedback between environmental processes and climate change”, Galati, September 20-23, 2023

Project Manager

1. **2018-2020 - PN-III-P1-1.1-PD-2016-0190 Electrochemical and optical studies of the influence of selected substances responsible for precocious puberty**
2. **2023-2027 – Phase Responsible within the Core Project PN 2307 “Advanced research in micro-nano electronic and photonic devices, sensors and microsystems for societal applications” within PNCDI IV**

Member in Research Projects

1. 2022-2024 PN-III-P2-2.1-PED-2021-3279 Dezvoltarea de senzori sensibili și selectivi pentru detecția glifosatului din probe de apă, folosind tehnica de imprimare moleculară integrată cu tehnologia undelor acustice de suprafață
2. 2021-2023 PN-III-P4-ID-PCE-2020-1712 Engineering low dimensional heterostructures for boosting the performances of on-chip 3D energy storage/power delivery device
3. 2020-2022 PN-III-P2-2.1-PED-2019-1300 Plasmonic and dielectric metasurface platforms for fluorescence enhancement
4. 2018-2022 - PN-III-P4-ID-PCCF-2016-0006 - Graphene-based stochastic sensors for molecular diagnosis of upper gastro-intestinal cancer
5. 2017-2019- PN-III-P4-ID-PCE-2016-0120 Stochastic microsensors for the assay of biomarkers specific to diabetes
6. 2017-2018 – PN-III-P2-2.1-PED-2016-0181 - Development of dedicated automated realtime detection systems to monitor and control selected “toxic” target substances to lower their impact and improve quality of sustainable daily life
7. 2017-2018– PN-III-P2-2.1-PED-2016-0392 Laboratory technology of new biomarkers for the detection of leukemia using materials based on graphene
8. 2015-2017 Core Project PN 16/12/20 – “Sensor development based on innovative materials

for leukemia”

9. 2014-2017 PN-II-PT-PCCA-2013-4-1097 – Multimode microsensors based on micro and nanostructured materials with applications in biomedical analysis
10. 2014-2015 – Billateral Project Romania-Cyprus – The use of chiral ionic liquids and inulins in electrolysis and micelar electrokinetic chromatography for clinic enantioanalysis
11. 2012-2016 - PN-II-ID-PCE-2011-3-0538 -Hightech-based Micro/Nanostructured Sensors Devices and Microreactors in Real-time for Automated Process Analytical Multianalyte Platform Systems
12. 2012-2015 **FP7 – DENAMIC** – Toxin influence on the development of brain of children
13. 2012-2014 PN-II-CT-ERC-2012-1 ERC-Like: Stochastic Approach for early diagnosis of cancer.
14. 2012-2014 National Project - Top Technology sensors based on micro/nanostructures and microreactors in real time for analytical process of system platform mutlianalytical type
15. 2011-2016 PN-II-ID-PCE-2011-3-0570 Stochastic Microsensors as New Tools for Assay of Substances of Biological Importance.
16. 2009-2013 **FP7-OBELIX** OBesogenic Endocrine disrupting chemicals: Linking prenatal eXposure to the development of obesity later in life

Poster Presentations

1. Influence of the carbon matrices on the behaviour of the ds-DNA based biosensors, **LA Gugoasa**, RI Stefan-van Staden, AA Ciucu JF van Staden, RO-ICAC` September 2012, Targoviste, Romania;
2. New Sensors for the assay of hormones responsible for obesity **LA Gugoasa**, RI Stefan-van Staden and JF van Staden, ROMPHYSICHEM 15 – September 2013, Bucharest, Romania;
3. Pattern recognition of IL-6 in whole blood samples using stochastic sensing, **LA Gugoasa**, RI Stefan-van Staden, C Stanciu-Gavan, 2nd International Conference on Analytical Chemistry – Analytical Chemistry for a Better Life “RO-ICAC14” – September 17-21, 2014, Targoviste, Romania
4. Fast assay of monocyte chemoattractant protein-1 (MCP-1) in whole blood samples using stochastic sensing, **LA Gugoasa**, RI Stefan-van Staden, EUROANALYSIS 18, European Conference of Analytical Chemistry, Bordeaux, France, 6-10 September 2015
5. Stochastic sensors for the pattern recognition of PPAR- γ from cerebrospinal fluid samples, **LA Gugoasa**, RI Stefan-van Staden, EUROANALYSIS 18, European Conference of Analytical Chemistry, Bordeaux, France, 6-10 September 2015
6. Determination of KRAS using graphite and graphene based amperometric sensors, AJ Muklive AL-Ogaidi, **LA Gugoasa**, RI Stefan-van Staden, 3rd International Conference on Analytical Chemistry – Analytical Chemistry for a Better Life “RO-ICAC16” – 28-31st August 2016, Iasi, Romania
7. Fast screening of whole blood samples for colon cancer biomarkers, **LA Gugoasa**, RI Stefan-van Staden, IR Comnea-Stancu, C Stanciu-Gavan, 12th Edition of PRIOCHEM, October 27-28th 2016, Bucharest, Romania
8. Evaluation of KRAS biomarkers using graphite based amperometric sensors, AJ Muklive AL-Ogaidi, **LA Gugoasa**, RI Stefan-van Staden, 12th Edition of PRIOCHEM, October 27-28th 2016, Bucharest, Romania
9. Evaluation of KRAS biomarkers using graphite and graphene based amperometric sensors, AJ Muklive AL-Ogaidi, RI Stefan-van Staden, **LA Gugoasa**, C. Stanciu-Gavan, 6th International Conference ECOLOGICAL & ENVIRONMENTAL CHEMISTRY - 2017 (EEC-2017), Chisinau, Republic of Moldova
10. Evaluation of P53 tumor suppressor gene using graphite based amperometric sensors, AJ Muklive AL-Ogaidi, RI Stefan-van Staden, **LA Gugoasa**, C. Stanciu-Gavan, 6th International Conference

ECOLOGICAL & ENVIRONMENTAL CHEMISTRY - 2017 (EEC-2017), Chisinau, Republic of Moldova

11. Molecular recognition of colon cancer biomarkers using stochastic sensors, **LA Gugoasa**, AJ Muklive AL-Ogaidi, RI Stefan-van Staden, C. Stanciu-Gavan, S.M. Pruneanu, The 11th Annual Congress of the Romanian Medical Association, April 22-24th 2017, Romanian Academy, Bucharest, Romania
12. Determination of dopamine from blood and urine samples, R.L. Balahura, RI Stefan-van Staden, **LA Gugoasa**, The 11th Annual Congress of the Romanian Medical Association, April 22-24th 2017, Romanian Academy, Bucharest, Romania.
13. Screening whole blood test for P53, R.M. Ilie, RI Stefan-van Staden, **LA Gugoasa**, The 11th Annual Congress of the Romanian Medical Association, April 22-24th 2017, Romanian Academy, Bucharest, Romania.
14. Heavy metals detections using stochastic microsensors, IG Lazar, RI Stefan-van Staden, **LA Gugoasa**, JF van Staden, E Diacu, ARA Conference, August 2-5th 2017, Sinaia, Romania.
15. New tools for screening for interleukins, **LA Gugoasa**, RI Stefan-van Staden, RM. Ilie, 20th Romanian International Conference on Chemistry and Chemical Engineering (**RICCCE**), September 6-9th 2017, Poiana Brasov, Romania.
16. Graphene-based stochastic microsensors as tools for simultaneous recognition of nitrites and nitrates in water samples, M Mincu, RI Stefan-van Staden, JF van Staden, LA Gugoasa, RL Popescu-Mandoc, 4th Romanian International Conference on Analytical Chemistry (RO`ICAC2018), September 1-3rd 2018, Bucharest, Romania. **BEST POSTER PRESENTATION AWARD Sponsored by the Romanian Chapter of ACS.**
17. Screening of whole blood samples for p53, RM Ilie, RI Stefan-van Staden, **LA Gugoasa**, 4th Romanian International Conference on Analytical Chemistry (RO`ICAC2018), September 1-3rd, Bucharest, Romania.
18. Molecular recognition of C reactive protein, adiponectin, and Zn²⁺ in serum samples, I Popa-Tudor, RI Stefan-van Staden, **LA Gugoasa**, C Ionescu-Tirgoviste, RA Stoica, 4th Romanian International Conference on Analytical Chemistry (RO`ICAC2018), September 1-3rd, Bucharest, Romania. **BEST POSTER PRESENTATION AWARD Sponsored by the Romanian Chapter of ACS.**
19. Myoglobin-reduced graphene oxide based stochastic microsensors for molecular recognition of LH and FSH from saliva samples, LA Gugoasa, RI Stefan-van Staden, JF van Staden, M Coros, S Pruneanu, **XX Euroanalysis Conference**, 1-5 September 2019, Istanbul, Turkey **SPECIAL POSTER PRESENTATION AWARD** Sponsored by the World Scientific Books.
20. Electrochemical detection of glyphosate based on molecularly imprinted polypyrrole-modified gold electrode and dispersed gold nanoparticles on reduced graphene oxide, 23rd International Conference "New Cryogenic and Isotope Technologies for Energy and Environment" - **EnergEn 2021** Băile Govora, Romania, **October 26 – 29, 2021**, El Geana, CT Ciucure, A Soare, S Enache, **LA Dinu (corresponding author)**,
21. Area-selective wet chemical etching of ferroelectric zirconium-doped hafnium oxide ultra-thin films for high frequency electronics, 14th International Conference on Physics and Advances Materials (**ICPAM-14**), Dubrovnik, Croatia, September 8-15, 2022, **L. A. Dinu**, M. Aldrigo, C. Romanitan, F. Nastase, S. Vulpe, R. Gavrilă, A.B. Serban
22. Analytical methods for the determination of glyphosate in water samples: a brief review, The 21st International Conference "Life Sciences for sustainable development" - 2022 Cluj-Napoca, România, September 15-17, 2022, El Geana, C Ciucure, **LA Dinu**, AM Baracu
23. Surface acoustic wave sensors for NO₂ detection based on sulfur-doped graphene, A Baracu, V Buiculescu, **LA Dinu**, C Brasoveanu, R Müller, The 45th International Semiconductor Conference CAS 2022 (an IEEE event) October 12-14, 2022
24. Microfabricated three-electrode system integrated with an enzyme-like nanomaterial for the

detection of phenolic compounds, Smart Systems Integration Conference & Exhibition (**SSI2023**), Bruges, Belgium, March 28-30, **2023**, **L.A. Dinu**, A. Baracu, O. Brincoveanu, M. Stoian, C. Pachtu, C. Parvulescu

25. Dual enhanced peroxidase-like activity of Fe₂O₃ supported on sulfur-doped graphene for electrochemical detection of polyphenolic class of pollutants from waste waters, 33rd Anniversary World Congress on Biosensors (**Biosensors 2023**), Busan, South Korea, June 5-8, **2023**, **Livia Dinu**, Angela Baracu, Sevinc Kurbanoglu, Marius Stoian, Cristina Pachtu, Oana Brincoveanu, Irina Geana
26. Generating pyroelectric current with patterned ferroelectric hafnium oxide thin films, 15th International Conference on Physics and Advances Materials (**ICPAM-15**), Sharm El-Sheik, Egypt, November 19-26, **2023**, **Livia Dinu**, M. Aldrigo, C. Parvulescu, C. Romanitan, F. Nastase, O. Brincoveanu, M. Dragoman, S. Iordanescu

Membership

- Electrochemical Society (ECS), USA. Sensors Division
- American Chemical Society (ACS), USA.

Conference Awards

- **2020 – BEST PAPER AWARD– at the 43rd Edition of the International Semiconductor Conference (CAS 2020) – an IEEE Event, held online, 7-9 October 2020 - Ultra-Sensitive Electrochemical Determination of Quercetin Using Gold Nanoparticles and Graphene Quantum Dots from Plasma Droplets; LA Dinu, CC Negut, C Stefanov, JF van Staden.**
- **2020 - PAPER AWARD IN THE “YOUNG RESEARCH FORUM” International Conference on Medicinal Chemistry & Drug Discovery, Amsterdam, Netherlands, February 19th -20th 2020; Electrochemical Determination of Bisphenol A in Saliva by Novel Three-Dimensional (3D) Printed Gold-Reduced Graphene Oxide (rGO) Composite Paste Electrode, LA Dinu Gugoasa, RI Stefan-van Staden, JF van Staden, M Coros, S Pruneanu,**
- **2019 – BEST STUDENT PAPER AWARD – at the 42nd Edition of the International Semiconductor Conference – an IEEE Event, held in Sinaia, Romania, 9-11 October 2019; Voltammetric determination of bisphenol A based on a silver-reduced graphene oxide composite paste microelectrode, LA Gugoasa, RI Stefan-van Staden, JF van Staden, M Coros, S Pruneanu**
- **2019 - SPECIAL POSTER PRESENTATION AWARD Sponsored by the World Scientific Books, Myoglobin-reduced graphene oxide based stochastic microsensors for molecular recognition of LH and FSH from saliva samples, LA Gugoasa, RI Stefan-van Staden, JF van Staden, M Coros, S Pruneanu, XX Euroanalysis Conference, 1-5 September 2019, Istanbul, Turkey**
- **2018 – BEST ORAL PRESENTATION AWARD Sponsored by the Romanian Chapter of ACS.** Molecular recognition of IL-8, IL-10, IL-12, and IL-15 in biological fluids using phthalocyanine based stochastic sensors, RM Ilie, RI Stefan-van Staden, **LA Gugoasa**, A Bilasco, CA Visan, A Streinu-Cercel, 4th Romanian International Conference on Analytical Chemistry (RO'ICAC2018), September 1-3rd, Bucharest, Romania.
- **2018 – BEST POSTER PRESENTATION AWARD Sponsored by the Romanian Chapter of ACS:** Molecular recognition of C reactive protein, adiponectin, and Zn²⁺ in serum samples, I Popa-Tudor, RI Stefan-van Staden, **LA Gugoasa**, C Ionescu-Tirgoviste, RA Stoica, 4th Romanian International Conference on Analytical Chemistr (RO'ICAC2018), September 1-3rd , Bucharest, Romania.
- **2018 – BEST POSTER PRESENTATION AWARD Sponsored by the Romanian Chapter of ACS:** Graphene-based stochastic microsensors as tools for simultaneous recognition of nitrites and nitrates in water samples, M Mincu, RI Stefan-van Staden, JF van Staden, **LA Gugoasa**, RL Popescu-Mandoc, 4th Romanian International Conference on Analytical Chemistry (RO'ICAC2018), September 1-3rd 2018, Bucharest, Romania

**Article Awards financed
by UEFISCDI**

- **2017 – EXCELLENCE DIPLOMA for Poster Presentation:** Molecular recognition of colon cancer biomarkers using stochastic sensors, **LA Gugoasa**, AJ Muklive AL-Ogaidi, RI Stefan-van Staden, C. Stanciu-Gavan, S.M. Pruneanu, The 11th Annual Congress of the Romanian Medical Association, April 22-24th 2017, Romanian Academy, Bucharest, Romania.
- **2016 – MEDAL CONSTANTIN LUCA AWARD FOR THE BEST YOUNG ANALYTICAL CHEMIST** – Sponsored by **American Chemical Society** for **EXCELLENCE IN RESEARCH**
- **2014 – BEST POSTER AWARD** –Pattern recognition of IL-6 in whole blood samples using stochastic sensing, **LA Gugoasa**, RI Stefan-van Staden, C Stanciu-Gavan, 2nd International Conference on Analytical Chemistry – Analytical Chemistry for a Better Life “**RO-ICAC14**” – Sept 17-21, 2014, Targoviste, Romania
- **2023- PN-IV-P2-2.3-PRECISI-2023-68938 – TOP 1 10000 RON**
PN-IV-P2-2.3-PRECISI-2023-76794 – Q2, 2000 RON
- **2021- PN-III-P1-1.1-PRECISI-2021-54592 – Q1 6000 lei**
PN-III-P1-1.1-PRECISI-2021-53404 – Q1 6000 lei
- **2020 - PN-III-P1-1.1-PRECISI-2020-50703 – Q1, 6000 lei**
PN-III-P1-1.1-PRECISI-2020-42140 – Q1 6000lei
PN-III-P1-1.1-PRECISI-2020-40892 – Q1 6000lei
PN-III-P1-1.1-PRECISI-2020- - Q1 6000 lei
- **2019 - PN-III-P1-1.1-PRECISI-2019-35127 - Q1, 6.000 lei**
- **2018 - PN-III-P1-1.1-PRECISI-2018-25851 – Q1, 6.000 lei**
- PN-III-P1-1.1-PRECISI-2018-28663 – Q1, 6.000 lei
- PN-III-P1-1.1-PRECISI-2018-28690 - Q1, 6.000 lei
- PN-III-P1-1.1-PRECISI-2018-28576 – Q2, 2.000 lei
- PN-III-P1-1.1-PRECISI-2018-27189 – Q1, 6.000 lei
- **2017 - PN-III-P1-1.1-PRECISI-2017-19313 – Q2, 2.000 lei**
PN-III-P1-1.1-PRECISI-2017-20520 – Q2, 2.000 lei
PN-III-P1-1.1-PRECISI-2017-19319 - Top 1, 10.000lei
PN-III-P1-1.1-PRECISI-2017-19315 - Top 1, 10.000lei
- **2015 - PN-II-RU-PRECISI-2015-9-9985 – Q2, 2.000 lei**
- PN-II-RU-PRECISI-2015-9-9986 – Q1, 4000 lei
-PN-II-RU-PRECISI-2015-9-9985 – Q2, 2.000 lei
- **2014 - PN-II-RU-PRECISI-2014-8-6210 - Q1, 4000 lei**
- PN-II-RU-PRECISI-2014-8-6454 – Q1 4000 lei

Scholarships/Fellowships

April 2014 – Oct 2015

- **PhD Fellowship:** Sectorial Operational Programme Human Resources Development 2007-2013 of the Ministry of European Funds through the Financial Agreement POSDRU/159/1.5/S/134398.

Editor Activity

- **2021 – Applied Sciences**
https://www.mdpi.com/journal/applsci/topic_editors
- **2022-2023 -Biosensors**
https://www.mdpi.com/journal/biosensors/special_issues/K3505JJ75P
- **2024 - Frontiers in Coatings, Dyes and Interface Engineering**

Reviewer Activity

- **2024** – Chemosensors,
Sensors,
Analytical Letters
- **2023** – Chemosensors
 - Biosensors
- **2022** – Analytica Chimica Acta Journal from Elsevier Publisher
Biosensors - Journal from MDPI Publisher
Sensors (IF=3.275) – Journal from MDPI Publisher
Micromachines (IF=2.523) – Journal from MDPI Publisher
- **2021** - Journal of the Electrochemical Society (**IF=3.72**) – Journal from IOP Publisher
Analytica Chimica Acta (**IF=5.97**) – Journal from Elsevier Publisher
Sensors (IF=3.275) – Journal from MDPI Publisher
Micromachines (IF=2.523) – Journal from MDPI Publisher
Microchemical Journal (IF=3.8) – Journal from Elsevier Publisher
- **2020** – Journal of the Electrochemical Society (**IF=3.72**) – Journal from ECS Publisher
Analytica Chimica Acta (**IF=5.97**) – Journal from Elsevier Publisher
Microchimica Acta (**IF=6.23**)– Journal from Springer Publisher
Analytical Letter (**IF=1.46**) – Journal from Taylor and Francis Publisher
- **2016** – Revue Roumaine de Chimie (**IF=0.43**) – Journal from the Romanian Academy