



## Europass Curriculum Vitae

### Personal information

First name(s) /  
Surname(s) **IULIA GABRIELA DAVID**

Address(es) University of Bucharest, Faculty of Chemistry, Department of Analytical Chemistry and Physical Chemistry, 90-92 Panduri Avenue, Bucharest 5

Website <https://unibuc.ro/user/gabrielaiulia.david/>  
<http://orcid.org/0000-0003-2677-2642>  
<https://publons.com/researcher/1355203/gabriela-iulia-david/>  
<https://scholar.google.ro/citations?user=cLttjxAAAAAJ&hl=en>  
<https://www.linkedin.com/in/iulia-gabriela-david-1a527128/?originalSubdomain=ro>  
[https://www.researchgate.net/profile/Iulia\\_David](https://www.researchgate.net/profile/Iulia_David)  
Brainmap: U-1700-038H-8233

Nationality Romanian

### Work experience

Dates **2002- present**

Occupation or position held Associated professor

Main activities and responsibilities

- Teaching (courses and laboratory with students), implementation and research in the field of instrumental (electrochemical and optical) methods of analysis
- Supervising of Bachelor and M.Sc. thesis
- Development of new research activities in topics, like: evaluation and quantification of heavy metals in environmental samples (water, sediments), monitoring of bioaccumulation of organic and inorganic pollutants in trophic chains in wetland regions; development of new types of sensors for different organic molecules of biological importance (drugs, neurotransmitters, DNA, etc.);
- Coordination of 2 national research project
- Member in research teams of different national and bilateral (with Turkey, China, France, Slovakia) projects

Name and address of employer University of Bucharest (UB), 34-36, Mihail Kogalniceanu Blvd., 050107, Bucharest 5

Type of business or sector Teaching (courses and laboratories with students) and research in the field of analytical chemistry, mainly instrumental methods of analysis applied to environmental and biological samples.

Dates **1998-2002**

Occupation or position held Lecturer

*David*

Main activities and responsibilities	Teaching (courses and laboratory with students), implementation and research in the field of instrumental (electrochemical and optical) methods of analysis - Supervising of Bachelor thesis - Responsible for preparing instrumental analysis laboratories for the students - Member in research teams of different national research projects
Name and address of employer	University of Bucharest (UB), 34-36, Mihail Kogalniceanu Blvd., 050107, Bucharest 5
Type of business or sector	Teaching (courses and laboratories with students) and research in the field of analytical chemistry, mainly instrumental methods of analysis applied to metals and biological important organic molecules
Dates	<b>1991-1998</b>
Occupation or position held	Assistant Professor
Main activities and responsibilities	Teaching (laboratories with students), implementation and research in the field of instrumental (electrochemical and optical) methods of analysis - Supervising of Bachelor thesis - Responsible for preparing instrumental analysis laboratories for the students - Member in research teams of different national research projects
Name and address of employer	University of Bucharest (UB), 34-36, Mihail Kogalniceanu Blvd., 050107, Bucharest 5
Type of business or sector	Teaching (laboratories with students) and research in the field of analytical chemistry, mainly instrumental methods of analysis applied to metals and biological important organic molecules
Dates	<b>1990-1991</b>
Occupation or position held	Chemistry teacher
Main activities and responsibilities	Teaching
Name and address of employer	“Nicolae Balcescu” High School Bucharest, General Berthelot Street, Bucharest 1
Type of business or sector	Teaching
<b>Education and training</b>	
Dates	<b>2013</b>
Title of qualification awarded	<b>Joint research project</b> nr. 604/2013
Principal subjects/occupational skills covered	An Assessment of the Anthropogenic Factors upon the Quality and the Health Benefits of Tea and Herbal Teas
Name and type of organization providing education and training	Sabancı University, Istanbul, Turkey
Dates	<b>2012</b>

*David*

Title of qualification awarded	<b>Joint research project</b> nr. 503/2011
Principal subjects/occupational skills covered	Development of new electrochemical sensors based on carbon nanomaterials for environmental assessment
Name and type of organization providing education and training	College of Chemistry and Molecular Engineering, Peking University, China
Dates	<b>2011</b>
Title of qualification awarded	<b>Joint research project</b> nr 477/2011
Principal subjects/occupational skills covered	Nucleic Acid Based Biosensors for Detection of Biological of the Effects of Chemical Agents on DNA
Name and type of organization providing education and training	Slovak University of Technology, Bratislava
Dates	<b>2010 and 2011</b>
Title of qualification awarded	<b>Joint research project</b> nr 375/2010
Principal subjects/occupational skills covered	Nucleic Acid Based Biosensors for Detection of Biological Agents by using Carbon Electrode Materials
Name and type of organization providing education and training	Ege University, Izmir, Turkey
Dates	<b>2004</b>
Title of qualification awarded	<b>NATO Fellowship</b>
Principal subjects/occupational skills covered	Electrochemical applications of carborane compounds.
Name and type of organization providing education and training	Institute of Material Science, Barcelona, Spain
Dates	<b>1992-1998</b>
Title of qualification awarded	<b>Ph.D. Diploma in (Analytical) Chemistry</b>
Principal subjects/occupational skills covered	Thesis title: Electroanalytical behavior of some pharmaceutical important compounds. Identification and quantification of some compounds in pharmaceutical preparations by using different voltammetric techniques.
Name and type of organization providing education and training	University of Bucharest - Faculty of Chemistry, Department of Analytical Chemistry
Dates	<b>1992-1993</b>
Title of qualification awarded	<b>DAAD Scholarship</b>
Principal subjects/occupational skills covered	Synthesis of organometallic compounds.
Name and type of organization providing education and training	Technical University Munich, Department of Inorganic Chemistry

*David*

Dates	<b>1989-1990</b>
Title of qualification awarded	<b>Specialization Diploma (similar to M.Sc.) in Organic Chemistry</b>
Principal subjects/occupational skills covered	The polarographic method applied in organic chemistry
Name and type of organization providing education and training	University of Bucharest, Faculty of Chemistry
Dates	<b>1985-1989</b>
Title of qualification awarded	<b>B. Sc. Diploma in Chemistry</b>
Principal subjects/occupational skills covered	Study of the electroanalytical behavior of the possibility of quantitative determination of pharmaceutical important compounds
Name and type of organization providing education and training	Polytechnic Institute of Bucharest, Faculty of Technological Chemistry
<b>Personal skills and competences</b>	
Mother language(s)	Romanian
Other language(s)	German, English, Spanish
Technical skills and competences	analytical techniques used in flame atomic absorption, emission and molecular UV –VIS and IR spectrometry, potentiometry and polarography /voltammetry - elaboration of new sensors and methods of analyses for different organic and inorganic pollutants from water and soil and for the detection of biological important compounds
Computer skills and competences	- Microsoft Office, programs for data evaluation and programs specific for chemistry, communications

*David*

Other skills and competences

Reviewer for: Acta Chimica Slovenica, Analytical Letters, Analytical Methods, Antioxidants, Arabian Journal of Chemistry, Biosensors, Catalysts, Chemical Papers, Chemical Science International Journal, ChemistrySelect, Chemosensors, Coatings, Current Analytical Chemistry, Environmental Monitoring and Assessment, Electroanalysis, Electrochem, Environmental Engineering and Management Journal, Inorganic and Nano-Metal Chemistry, International Journal of Analytical Chemistry International, Ionics, International Journal of Molecular Sciences, Journal of Applied Science and Technology, Journal of Chemical Education, Journal of Chemistry, Journal of Chromatographic Sciences, Journal of Environmental Analytical Chemistry, Journal of Electrochemical Society, Journal of Food Composition and Analysis, Journal of Liquid Chromatography & Related Techniques, Journal of Optoelectronics and Advanced Materials, Journal of Pharmaceutical and Biomedical Analysis, Journal of Pharmaceutical Research International, Journal of Physics and Chemistry of Solids, Materials, Materials Chemistry and Physics, Materials Science and Engineering C, Measurements, Membranes, Microchemical Journal, Micromachines, Molecules, Nanomaterials, Progress in Organic Coatings, Revue Roumain de Chemie, Revista de Chimie, Sensors, SN Applied Sciences, Talanta, Vietnam Journal of Chemistry.

Evaluator in National Research Programs (PNI, CEEEX, PNII, Nucleu);

Evaluator of DAAD fellowship applications (2008,2009, 2012 - 2022),

Evaluator of ERASMUS scholarships-Faculty of Chemistry, University of Bucharest, Romania (2021, 2022)

Member in the peer review pool of Philip Morris External Research Program 2003, 2005, 2007

Evaluator of projects for postdoctoral Fullbright scholarships 2014.

Guest Editor "Micromachines" 2021, 2022; Chemosensors 2023

Additional information

- Member of the Romanian Chemical Society –vice-president of branch 1 Bucharest; vice-president of the Food Chemistry section
- Member of the Romanian Society of Analytical Chemistry
- Member of EURACHEM Romania;
- Member of Romanian Electrochemical Society
- Member in the Council of the Faculty of Chemistry, University of Bucharest (since 2011-)
- Responsible for ERASMUS-Faculty of Chemistry, University of Bucharest, Romania
- Member in the Editorial Board of Revista de Chimie
- Member in the Reviewer Board of Nanomaterials, Current Analytical Chemistry
- Alumni coordinator & representative of Faculty of Chemistry, University of Bucharest
- Coordinator of the new edition of the journal "CHIMIA-Revista pentru elevi" (<http://www.schr.ro/publicatii/revista-chimia/>) (2017-2022)
- Coordinator of the new edition of the journal "AiChimie" (2022-
- TUM Alumni network-speaker for Romania and Eastern Europe
- Women of TUM network founder

## Additional information Awards

- 1995- IVth International Symposium "Diversite du developement de organisms-source de creativite et de valorization biotechnologique et socio-economique" - "Diplome d'honneur"
- 2015 - diploma of Honor of the Romanian Chemical Society
- 2018 - The Romanian Chemical Society Award for editing the journal "CHIMIA - Revista pentru elevi"
- **Publications:** 94 (11 books+ 83 papers)
- **Papers communicated** at scientific conferences: 89
- **H-index** = 16 (ISI Web of knowledge); 17 (Scopus); 18 (Google Scholar)
- **Participations at seminars** with different topics:
  - o 23-29.04.2007, Technical University of Munich, Germany – TUM-Alumni Expertseminar "Die Verbesserung der Lebensqualitaet durch neue Entwicklungen in Arhitektur und Bauingenieurwesen"
  - o 16-23.09.2007 Technical University of Munich, Germany – Alumni Summer School 2007 "Development and Management of Sustainable Supply Chains"
  - o 28-31.05.2008, Bucharest, KontaktTUM Expertseminar "Regenerative Energien-Beispiele aus Wissenschaft und Wirtschaft", organizer und participant
  - o 1-4.09.2009, Singapore, KontaktTUM Expert Seminar "Environmental Engineering"
  - o 19-21.02.2010, Munich-Germany, Workshop fuer Multiplikatoren
  - o 15-17.10.2010, Tutzing-Germany, Ferien-Akademie 2010, "Mobil und Global. Kommunikationsformen im Wandel"
  - o 28.11.-04.12. 2010, Technical University of Munich, Germany – KontanTUM Expertseminar TUM-Alumni Sprecherinnen und – Sprecher der Technischen Universitaet Muenchen
  - o March-May 2012- University of Bucharest Workshop on "Strengthening the Competence Oriented Higher Education"
  - o 10-15.10.2012, Technical University Munich "Women of TUM-Connect for Success"
  - o 12-14.10.2012- Evangelische Akademie Tutzing, Germany "Doing Future- Konzepte fuer Nachhaltigkeit"
  - o March-May 2013- University of Bucharest Workshop on "Strengthening the Competence Oriented Higher Education"
  - o 9-14.10.2013, Technical University Munich "Women of TUM Seminar-Stay connected worldwide"
  - o 11-13.10.2013- Evangelische Akademie Tutzing, Germany "Welt Raum Mensch-Verortungen und Perspektiven"
  - o 7-10 10.2015, Technical University Munich, DAAD-Seminar "Science meets public- science communication in the age of social media"
  - o 5-12.07.2018-Serendino Foundation Bucharest "Decision- art, science or luck?"
  - o 13-14.09.2018-Serendino Foundation Bucharest "Listen well. Talk well. The games of talking and listening."

## Annexes

Research interest list; List of publications

## RESEARCH INTEREST

Development of new tools (sensors and biosensors) and spectrochemical and electrochemical (potentiometric and voltammetric) methods of instrumental analysis for the quantitative determination of inorganic (especially metallic ions) and/or organic substances from environmental or pharmaceutical/biological samples.

## PROFESSIONAL SUMMARY

Obtaining and characterization of chemically modified (e.g. polymer coated) electrodes and biosensors for voltammetric determination of metallic ions from environmental samples (water, soil) and of biological important substances (drugs, neurotransmitters, proteins, etc).

*Dand*

Optimisation of spectrochemical (atomic emission and absorption spectrometry-AAS ICP-OES, UV-VIS spectrometry) and electrochemical (potentiometric and voltammetric) methods of analysis. Study of equilibria in solution and determination of some constants (e.g. pKa,  $\beta$  etc)

## RESEARCH EXPERIENCE AND EMPLOYMENT

1991- Assistant/Lecturer/ Associated Professor, Department of Analytical Chemistry, Faculty of Chemistry, University of Bucharest, Romania

Teaching activity on:

"Spectrochemical Methods of Analysis" and "Electrochemical Methods of Analysis"

"Analytical Biochemistry" and "Bioelectroanalysis"

"Separation Methods and Trace Analysis"

"Advanced Techniques in Instrumental Analysis"

"Management and Marketing of Pharmaceutical Products"

"Methods and processes for wastewater treatment"

Research projects dealing with

-electrochemical characterization and determination of biological important compounds,

- voltammetric and spectrometric quantification of pollutants (mainly metallic ions,  $\text{Cu}^{2+}$ ,  $\text{Cd}^{2+}$ ,  $\text{Zn}^{2+}$ ,  $\text{Pb}^{2+}$  etc.) from environmental samples

-development of new (disposable) DNA-based biosensors (pencil graphite electrode und carbon nanotubes modified electrodes)

## SIGNIFICANT SKILLS

Laboratory experience: quantitative analysis; volumetric analysis, analytical biochemistry, flame atomic emission spectrometry, ICP-OES, atomic absorption spectrometry (flame and hydride generation techniques); potentiometry with ion selective electrodes, voltammetry (cyclic voltammetry, differential pulse voltammetry, stripping analysis)

## EXTRACURRICULAR ACTIVITIES

I actively participated in activities to promote chemistry among young people:

- 2016 - 2019: seminars - Chemists and careers;
- interactive presentations at schools and high schools in Bucharest, Focșani, Bacău, Roșiori, Pitești, Sibiu, Brăila and Chișinău,
- projects (2019 & 2020: Chempoeet; 2021: Chemistry360-Together in the world of chemistry;
- events: 2018-2021: Night of European Researchers; 2021, 2022: Festival of Chemistry)
- competitions (2011-2019; 2022; Chemistry-friend or enemy?!).
- UniCo-Universitatea Copiilor (2022)
- UBSU 2017-2022

## PARTICIPATION TO PROJECTS, GRANTS AND RESEARCH CONTRACTS

Member in the research team of 16 national projects, the last ones being

1. PN II nr 61-030/2007 (founded by CNMP)- - Rapid methods for toxins monitoring during technological steps of food processing to increase their safety – 2007-2010
2. PN II 81-028/2007(founded by CNMP)- Development of biosensors based on nucleic acids for evaluation and monitoring of toxic agents with applications in bioterrorism - 2007 – 2010
3. PN II 82-102/2008 (founded by CNMP)- Construction and characterization of molecular sensors based on derivatives of ciclobis-(paraquat-p-phenylene) used in the detection and identification of local factors generating crises (hazardous and priority hazardous substances) – 2008-2011
4. ID-PCE-2011-3-0784 - Noi micro-biosenzori electrochimici bazati pe bio-catalizatori nanostructurati utilizati in diagnosticarea clinica la pacienți cu boli neuro-psihiatrice – 2008-2011
5. PN II-PCCA Tip 2 - 136/2012- Conceperea si dezvoltarea unor sisteme de transport si cedare pentru noi compusi de ruteniu cu actiune antitumorală
6. PN-II-PT-PCCA-2013-172/2014 – Procese ecologice de extractie a compusilor valorosi din plante
7. PN-III-P1-1.2-PCCDI 52/2018 "Platformă pluridisciplinară complexă de cercetare integrativă și sistematică a identităților și patrimoniului cultural tangibil și non-tangibil din România"

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Coordinator:

1. PN II-32111/2008 (founded by CNMP) - Quantification of xenobiotics bioaccumulation in food chains from wetlands
2. PN III-179PED/2017 (founded by UEFSCDI) - Pencil-based sensor array for naringenin like compounds analysis from beverages [https://www.chimie.unibuc.ro/cercetare/analitica/PED\\_2017\\_David\\_Iulia.pdf](https://www.chimie.unibuc.ro/cercetare/analitica/PED_2017_David_Iulia.pdf)

Member in the research team of the following international projects:

- 1.2005-2008: **LIFE NATURE**: Ecological Restoration of the Lower Prut Floodplain Natural Park; Beneficiary: European Commission – Directory for Environmental
- 2.2005-2008: **LIFE NATURE**: Enhancing the protection system of large carnivores in Vrancea county; Beneficiary: European – Directory for Environmental
- 3.2010-2011 - **Joint research project Romania-Turkey** nr 375/2010 (founded by ANCS): Nucleic Acid Based Biosensors for Detection of Biological Agents by using Carbon Electrode Materials
- 4.2011-2012- **Joint research project Romania-China** nr. 503/2011(founded by ANCS): Development of new electrochemical sensors based on carbon nanomaterials for environmental assessment
- 5.2011-2012- **Joint research project Romania-France** (founded by ANCS): Electrochemical biosensors based on electrogenerated polymers on carbon nanotubes surface for monoamine – neurotransmitters assessment in complex biological matrices
- 6.2011-2012- **Joint research project Romania-Slovakia** nr 477/2011(founded by ANCS): Nucleic Acid Based Biosensors for Detection of Biological of the Effects of Chemical Agents on DNA
7. **COOST TD 1102**-Photosynthetic proteins for technological applications: biosensors and biochips (PHOTOTECH) ([http://www.phototech.eu/?page\\_id=62](http://www.phototech.eu/?page_id=62))
- 8.2013-2014- **Joint research project Romania-Turkey** nr. 604/2013: An Assessment of the Anthropogenic Factors upon the Quality and the Health Benefits of Tea and Herbal Teas

## PUBLICATIONS:

### A) BOOKS

1. Ion Gh. Tanase, Ion Ioneci, Iulia David, Cristina Matachescu, *Metode instrumentale de analiza. P. a III-a Culegere de probleme*. Editura Universitatii Bucuresti, **1995**,
2. Ion Gh. Tanase, Gabriel Lucian Radu, Iulia Gabriela David, *Tehnici electrochimice în bioanaliza*, Ed. didactica si pedagogica, Bucuresti, **1998**,
3. Ion Gh. Tanase, Gabriel Lucian Radu, Iulia Gabriela David, *Standardizarea, asigurarea calitatii si acreditarea laboratoarelor*, Ed. Universitatii Bucuresti, Bucuresti, **1998**.
4. Ion Gh. Tanase, Iulia Gabriela David, Mihaela Buleandra, *Ghidul calitatii in chimia analitica -Un indrumar pentru acreditare*, tradus si adaptat in lb. Romana, Ed. Ars Docendi, Bucuresti, **2002**.
5. I. David, G. L. Radu, *Utilizarea metodelor electrochimice in analiza farmaceutica*, *Progrese in Biotehnologie*, G. L. Radu (ed.), Ed. Ars. Docendi Bucuresti, **2002**, p.199-251.
6. E. E. Iorgulescu, I. G. David, I. Tanase, V. David, G.L. Radu, *Determinarea electroanalitica a unor porfirine si pigmenti biliari*, in "Tendinte actuale in bioanaliza", (Ed. G.L. Radu) Ed. Printech, Bucuresti, 2003,p.IV.190-IV.215.
7. I. G. David, G. L. Radu, S. Litescu, *Standardizarea masurarilor analitice in biostiinte*, in "Tehnici experimentale in bioanaliza", (Ed. G.L. Radu) Ed. Printech, Bucuresti, **2004**, p. 214-237.
8. I. G. David, G. L. Radu, V. David, *Electroanaliza unor substante biologice (amino acizi, peptide, proteine si acizi nucleici)*, in "Elemente de bioelectroanaliza" (Ed. G. L. Radu), Ed. Printech, Bucuresti, **2005**, p.47-107,
9. I. G. David, V. David, *Spectrochemical Methods of Analysis, A Laboratory Guide*, Ed. Universitatii din Bucuresti, **2006**.
10. I. G. David, G. L. Radu, *Validarea metodelor (bio)analitice*, Ed. Printech, Bucuresti, **2006**.
11. I. G. David, V. David, *Tehnici instrumentale avansate*, Ed. Universitatii din Bucuresti, **2010**.

### B) PAPERS

#### ISI

1. I. Tanase, I. Ioneci, S. Baduna, Iulia Stancioiu, L. Vaszi, C. Luca, Selectivitate si rezolutie în metodele polarografice moderne I. Evaluarea rezolutiei calitative, *Revista de Chimie*, 40(7), 593-600, **1987**.
2. I. Tanase, Iulia Stancioiu, Study of Electrochemical Reduction on Dropping Mercury Electrode by Classical Polarography, Alternating Current Polarography of Some Organic Compounds of Pharmaceutical Interest Containing Nitro Group, *Revue Roumain de Chimie*, 38(5), 495-504, **1993**.
3. I. Tanase, C. Matachescu, Iulia David, I. Ioneci, Study of the Polarographic Behaviour and the Possibilities of Quantitative Determination of Some Organic Sulphur Containing Compounds of Pharmaceutical Interest, *Revue Roumain de Chimie*, 38(10), 1133-1141, **1993**.
4. P. Härter, Julia David, Fulvenylsubstituierte Cp-Liganden, IV.Ein stabiles heterodinukleares Donor/Akzeptor-System mit 6-Pentafulvenylcyclopentadienyl-Brücke, *Journal of Organometallic Chemistry*, 459(1-2), C12-C14, **1993**.
5. I. Tanase, Iulia David, G. L. Radu, E. -E. Iorgulescu, V. Magearu, Optimised Electroanalysis of Tetracycline by A. C. Polarography, *Analisis*, 24, 281-284, **1996**. <http://cat.inist.fr/?aModele=afficheN&cpsidt=2500708>

*David*



6. I. Tanase, Julia David, G. L. Radu, E. E. Iorgulescu, S. Litescu, Electrochemical Determination of Minocycline in Pharmaceutical Preparations, *Analisis*, 26, 175-179, **1998**.
7. A. F. Danet, V. David, Julia Gabriela David, Acetaminophen determination by FIA with biamperometric detection, *Revue Roumaine de Chimie*, 43(9), 811-816, **1998**.
8. S. C. Litescu, Julia Gabriela David, G. L. Radu, H. Y. Aboul-Enein, Voltammetric Determination of Coenzyme Q10 at a Solid Glassy Carbon Electrode, *Instrumentation Science & Technology*, 29(2), 109-116, **2001**.
9. Julia Gabriela David, E. E. Iorgulescu, V. David, L. G. Radu, Voltammetric Determination of Some Antibiotics, *U.P.B. Sci. Bull., Series B: Chemistry and Materials Science*, 63(1), 361-368, **2001**.
10. V. David, S. Litescu, Julia Gabriela David, M. Surmeian, Spectrophotometric determination of norfloxacin by reaction with carbondisulphide in micellar medium, *Revista de Chimie*, 53(4), 267-272, **2002**.
11. T. Tolea, I. Gh. Tanase, Julia Gabriela David, Influenta concentratiei de receptor din membrana asupra dinamicii potentialului acesteia, *Revista de Chimie*, 53(1), 15-20, **2002**.
12. V. David, Julia Gabriela David, G. L. Radu, Determinarea cinetică simultană a două amine secundare prin regresie după componente principale, *Revista de Chimie (Bucharest)*, 54(2), 97-101, **2003**.
13. M. L. Matache, Julia Gabriela David, M. Matache, M. Ropota, Seasonal Variation in Trace Metals Concentrations in the Ialomita River, Romania, *Environmental Monitoring and Assessment*, 153 (1), 273-279, **2009**.
14. D. G. Pătrascu, V. David, I. Bălan, A. Ciobanu, Julia Gabriela David, P. Lazăr, I. Ciurea, I. Stamatina, A. A. Ciucu, Selective DPV method of dopamine determination in biological samples containing ascorbic acid, *Analytical Letters*, 43(7), 1100-1110, **2010**.
15. I. GH. Tanase, D. E. Popa, Julia Gabriela David, M. Buleandra, Single laboratory validation of a method for the determination of total inorganic arsenic by hydride generation atomic absorption spectrometry, *Analytical Letters*, 43(7), 1172-1189, **2010**.
16. I. A. Badea, L. Vladescu, Julia Gabriela David, V. David, S. C. Litescu, Development of a new HPLC method for determination of papaverine in presence of its photooxidation products, *Analytical Letters*, 43(7), 1217-1229, **2010**.
17. R. C. Duca, I. A. Badea, Julia Gabriela David, M. Delaforge, L. Vladescu, Redox behaviour of zearalenone in various solvents, *Analytical Letters*, 43(7), 1287-1300, **2010**.
18. I. Balan, Julia Gabriela David, V. David, A. I. Stoica, C. Mihailciuc, I. Stamatina, A. A. Ciucu, Electrocatalytic Voltammetric Determination of Guanine at a Cobalt Phthalocyanine Modified Carbon Nanotubes Paste Electrode, *Journal of Electroanalytical Chemistry*, 654, 8-12, **2011**.
19. D. Patrascu, Julia David, V. David, C. Mihailciuc, I. Stamatina, J. Ciurea, L. Nagy, G. Nagy, A. A. Ciucu, Selective voltammetric determination of electroactive neuromodulating species in biological samples using iron(II) phthalocyanine modified multi-wall carbon nanotubes paste electrode, *Sensors and Actuators B*, 156, 731-736, **2011**.
20. Julia Gabriela David, M. L. Matache, A. Tudorache, G. Chisamera, L. Rozylowicz, G. L. Radu, Food chain biomagnification of heavy metals in samples from the Lower Prut Floodplain Natural Park, *Environmental Engineering and Management Journal*, 11(1), 69-73, **2012**.
21. Julia Gabriela David, I. A. Badea, G. L. Radu, Disposable carbon electrodes as an alternative for the direct voltammetric determination of alkyl phenols from water samples, *Turkish Journal of Chemistry*, 37(1), 91-100, **2013**.
22. A. Tekiner, H. Basaga, Julia David, I. Badea, Role of EGCG on TGFbeta1-Ecadherin-Nrf2 Signaling in Colon Cancer, *Free Radical Biology and Medicine* 76, S133-S134, **2014**.
23. L. Calu, M. Badea, M. C. Chifiriuc, C. Bleotu, Julia Gabriela David, G. Ioniță, L. Măruțescu, V. Lazar, N. Staniță, I. Soponaru, D. Marinescu, R. Olar, Antimicrobial and cytotoxicity assay for Co(II), Ni(II), Cu(II) and Zn(II) complexes with a Schiff base bearing 1,2,4-triazole pharmacophore, *Journal of Thermal Analysis and Calorimetry*, 120(1), 375-386, **2015**.
24. Julia Gabriela David, A.M. C. Bizgan, D. E. Popa, M. Buleandra, Z. Moldovan, I. A. Badea, T. A. Tekiner, H. Basaga, A. A. Ciucu, Rapid determination of total polyphenolic content in tea samples based on caffeic acid voltammetric behavior on a disposable graphite electrode, *Food Chemistry*, 173, 1059-1065, **2015**.
25. Julia Gabriela David, M.-A. Florea, O. G. Cracea, D. E. Popa, M. Buleandra, E. E. Iorgulescu, V. David, I. A. Badea, A. A. Ciucu, Voltammetric Determination of vitamin B1 and vitamin B6 on a Disposable Electrode, *Chemical Papers*. 69(7), 901-910, **2015**.
26. C. C. Crișan, M. Buleandră, I. Călinescu, C. Zălaru, Julia Gabriela David, I. A. Badea, Chemical composition of the aerial part and fruits of *Coreopsis tinctoria*, *Chemistry of Natural Compounds* 51(3), 571-572, **2015**.
27. M. Buleandră, C. C. Crișan, I. Călinescu, C. Zălaru, Z. Moldovan, Julia Gabriela David, I. A. Badea, Rapid analysis of the volatile components in *Gaillardia aristata* Pursh. and *Gaillardia x grandiflora* Burgunder by static headspace gas chromatography - mass spectrometry, *Chemistry of Natural Compounds*, 51(4), 787-789, **2015**.
28. Julia Gabriela David, D. E. Popa, A.-A. Calin, M. Buleandră, E. E. Iorgulescu, Voltammetric determination of famotidine on a disposable pencil graphite electrode, *Turkish Journal of Chemistry*, 40(10), 125-135, **2016**.
29. M. L. Matache, C. Hura, Julia Gabriela David, L. Rozylowicz, Non-invasive monitoring of organohalogen compounds in eggshells and feathers of birds from the Lower Prut Floodplain Natural Park in Romania. International Conference – Environment at a Crossroads: SMART approaches for a sustainable future. *Procedia Environmental Sciences*, 32, 49-58, **2016**.
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Iulia Gabriela David