

PERSONAL INFORMATION

Cristiana Radulescu

 Valahia University of Targoviste

 +40 245213382; +40-245206109  +40-729851455

 cristiana.radulescu@valahia.ro; radulescucristiana@yahoo.com

Sex F | Date of birth 21/08/1967

POSITION

**Professor habil. /
Member of the Executive Board of European Chemical
Society (EuChemS)**

 WORK
EXPERIENCE

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- | | |
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| 2024 – up to date | Academy of Romanian Scientists, Section III – Chemical Sciences - Member
https://www.aosr.ro/en/sections-2/ |
| 2024 - 2028 | National Commission of Attestation of Titles, Diplomas, and University Certificates – Member of Environmental Commission
https://www.cnatdcu.ro/paneluri-cnatdcu/ |
| 2022 –2025 | Executive Board of European Chemical Society (EuChemS) - Member
https://www.euchems.eu/about-us/executive-board/ |
| 2021 - up to date | PhD Supervisor
National University of Science and Technology Politehnica Bucharest, Doctoral School „Chemical Engineering and Biotechnology” habilitation in Environmental Engineering (Bucharest, Polizu Street no 1)
https://chimie.upb.ro/en/educatie/scoala-doctorala/conducatori/radulescu-cristiana/ <ul style="list-style-type: none"> • 6 PhD students ongoing thesis coordination in the field of Environmental Engineering at the Doctoral School „Chemical Engineering and Biotechnology”; • Committee members’ support/coordination of more than 20 doctoral students, actively involved in PhD graduation, and PhD students included in the research communities • Member of the examining committee for 15 doctoral thesis defenses. |
| 2014 - up to date | Professor
Valahia University of Targoviste (Targoviste 130024, Dambovita County, Romania
www.valahia.ro ; https://fs.valahia.ro/en <ul style="list-style-type: none"> ▪ Teaching activities: courses - Analytical and Inorganic Chemistry, Bases of Inorganic Chemistry, Chemistry of Nonmetals, Chemistry of Metals, Chemistry of Coordination Compounds; Professor/Coordinator of the thesis of diploma work/dissertation; Coordinator of the first-degree work for pre-university education; President/Member of committee to promotion as associate professor and full professor, as well as assistant researcher /senior researcher. ▪ Research activity – director/key person/expert in international/ national R&D projects, institutional development projects (FDI), POCU projects, European projects (Horizon 2020, Horizon Europe, MSCA, EAA, COST, KreativEU - European Universities Alliance); scientific production in the field of chemistry; Expert in the project "Improving public policies in higher education and increasing the quality of regulations by updating quality standards - QAFIN" (Code SIPOCA / SMIS2014 +: 16), implemented by MEN and ARACIS; Head of VUT in scientific cooperation with JINR Dubna, Russia. |

- Other responsibilities: Member of the Teaching Council of Faculty of Sciences and Arts.
 - Responsibilities within the Targoviste Branch of the Romanian Chemical Society: organization and management activities within the Targoviste Branch of SChR, as president of the Branch from November 2006 until now. organization of national/international conferences under the auspices of the SChR; Member of EUCHEMS – Division of Chemical Education. **Member of the Executive Board of the EuChemS.**
<https://www.euchems.eu/about-us/executive-board/>
 - Editorial activity: Editor-in-chief of the Journal of Science and Arts (in Web of Science since 2015). Editor of Book of Abstracts - international/national conferences, summer schools; Guest editor at Coatings, Journal of Chemistry, World Journal of Applied Chemistry.
- Academic

2016 - 2024 Director

Institute of Multidisciplinary Research for Science and Technology – Valahia University of Targoviste (ICSTM-VUT) (13 Sinaia Alley, 130004, Targoviste, Romania
<https://icstm.ro/about/staff/>)

- Scientific Research: Coordination and valuation of scientific projects and studies of applied research (dyes, materials, environment quality, risk assessment); project proposals writing, modeling, as well as national and international projects coordination, accomplishment, and evaluation; articles published in peer-reviewed periodicals.
 - **Manager** responsibilities: Represents ICSTM relationships with other entities within the university and beyond; Responsible for the scientific research in ICSTM (publications, projects, conferences, etc); Coordinates the development of national and international scientific partnerships; Member of Administrative Council of VUT.
- Research

2012 - 2016 Vice-dean of the Faculty of Science and Arts

Valahia University of Targoviste (Targoviste 130024, Dambovită County, Romania
www.valahia.ro)

- Responsibilities as vice-dean of the Faculty of Sciences and Arts: working closely with the Faculty Dean, Heads of department, and university leadership; supporting the development and delivery of the Faculty Plan, and co-ordinates cross-faculty initiatives and activities; playing a role in representing the Faculty within the University as member in: Council for Education and Quality Assurance; Council for Scientific Research and Academic Creation; Council for Institutional Development and International Relations; Council for Social and Student Problems; Teaching Council of Faculty of Sciences and Arts.
- Academic

2008-2014 Associate Professor

Valahia University of Targoviste (Targoviste 130024, Dambovită County, Romania
www.valahia.ro)

- Teaching activities: courses and laboratories - Analytical and Inorganic Chemistry, The Bases of Inorganic Chemistry, Chemistry of Nonmetals, Chemistry of Metals, Chemistry of Coordination Compounds, Spectroscopic Techniques; Professor/coordinator of thesis of diploma work/dissertation; Coordinator of the first-degree work for pre-university education; Member of upgrade and second-degree committee; President/Member of the committee to promotion as associate professor and full professor, as well as an assistant researcher /senior researcher; Ph.D. thesis evaluation.
- Scientific Research: Coordination, participation, and valuation of scientific projects and studies of applied research (dyes, materials, environment quality, risk assessment); project proposals writing, modeling, as well as national and international projects coordination, accomplishment, and evaluation; articles published in peer-reviewed periodicals.
- Activities within Romanian Chemical Society as President of SChR, branch Targoviste, from 2006 –up to date.
- Editorial activity: Editor-in-chief of Journal of Science and Arts ISI Web of Science indexed since 2015; Reviewer of periodical journals.

Academic

 1998-2008 **Lecturer**

 Valahia University of Targoviste (Targoviste 130024, Dambovita County, Romania
www.valahia.ro)

- Teaching activities: courses and laboratories: Analytical and Inorganic Chemistry, The Bases of Inorganic Chemistry, Chemistry of Nonmetals, Chemistry of Metals, Chemistry of Coordination Compounds, Chemistry for Engineers at Bachelor Studies; Course and Laboratories for: Environmental Chemistry and Analytical Techniques for Environmental Pollution Control at Master Studies; Responsible with course and seminars - Allotropy, Isotropy, Isomorphism for Department of Teacher Training; Responsible with courses: Polluted Emissions and Environmental Protection in the context of European legislation; Professor/coordinator of thesis of diploma work/dissertation .
- Scientific Research: Coordination of scientific projects and studies of applied research; project proposals writing, modeling, as well as national and international projects coordination; articles published in peer-reviewed periodicals.
- Activities within Romanian Chemical Society as President of SChR, branch Targoviste
- Editorial activity: Editor-in-chief of Journal of Science and Arts.

Academic

 1992 –1998 **Assistant Professor**

 Valahia University of Targoviste (Targoviste 130024, Dambovita County, Romania
www.valahia.ro)

- Scientific Research in the field of analytical chemistry, as well as in the field of synthesis and characterization of organic compounds.
- Teaching activities: course and laboratories - Analytical and Inorganic Chemistry, Chemistry for engineers, Water and Soil Chemistry at Bachelor Studies level; Responsible with laboratories: Analytical Chemistry, Organic Chemistry, Inorganic Chemistry, Physico-chemical Chemistry, Food Chemistry at bachelor studies;
- Other Responsibilities: Member of Teaching Council of Faculty of Material Science and Biotechnologies.

Academic

EDUCATION AND TRAINING

 July, 2021 **Habilitation in Environmental Engineering**

National University of Science and Technology Politehnica Bucharest, Doctoral School „Chemical Engineering and Biotechnology”

- Habilitation Thesis: ENVIRONMENTAL CHEMICAL CONTAMINANTS: SCIENTIFIC EVIDENCE AND PUBLIC HEALTH RISK AWARENESS

January 30, 2011 –February 13, 2011

Certificate

Facoltà di Scienze Matematiche, Fisiche e Naturali, University of Molise, Italy

- Professional Stage in Chemical analysis (chromatography – HPLC, GC-MS, IC); Extraction techniques as LLE and SPE; microbiology and biology methods (PCR and biomolecular markers); sample preparation

January 16, 2006 – September 16, 2006

Postgraduate diplomas

Technical University of Cluj-Napoca, Eco-Management Centre and University of Minnesota, USA

- Postgraduate course entitled ECO-MANAGER - Romanian-American Postgraduate Program by Eco-Management and Ministry of Education, Research, Youth and Sports, X edition. Titles of graduated modules: Environmental Impact Assessment, diploma series F No. 0014848, 648/11.07.2007; Environmental Management Systems ISO

14001, diploma series F No. 0014832, 632/11.07.2007; Environmental Monitoring and Pollution Control, diploma series F No. 0014798, 598/11.07.2007 - Sampling and Chemical analysis concerning pollutants from air by chemiluminescence (CL); elaboration the EIM and BM studies; theoretical and practical principles concerning the environmental monitoring and pollution control etc.

April 11, 2006 - April 11, 2010

Attestation Diplomas – Assistant evaluator EIM (Environmental Impact Assessment) and Auditor assistant BM (Environment Balance Sheet)

National Agency of Environmental Protection (ANPM) Bucharest, Romania

- Elaboration of the EIM and BM level II and III studies for different institutions for obtaining environmental authorization in the fields of Textile, Skins, Wood, and Paper Industry, code 8, Food Industry, code 7, Chemical, Petrochemical and Rubber Industry, code 6.

March 5, 2006 - March 12, 2006

Certification - Euro Competencies Transfer in Vocational Training on Food Security, Environment and Biotechnologies

Faculty of Food Safety and Biotechnologies, Kauno Kolegija Lithuania

- Analysis for investigation and analysis of preservatives from foods; analysis of heavy metals from foods by AAS; sampling and preparation of samples by LLE and SPF, etc.

June 28, 2005 – July 8, 2005

Postgraduate diploma no. 17/07.2005

University of Bucharest, Faculty of Chemistry, Romania

- Postgraduate course in the control of environmental pollution field, entitled: Environmental Pollution Monitoring. Pollutants. Analysis. Legislation. Quality Assurance and Managing, Pollutants Investigation; sampling; preparation and analysis of heavy metals by AAS, ICP-MS; preparation and analysis of volatile organic compounds (VOC); statistical interpretation

September 1994 – April 2003

PhD in Chemical Engineering

ISCED-8

Politehnica University of Bucharest, Romania

- Dyes-compact condensed heterocyclic systems. Synthesis and characterization.

September 1987 – June 1992

B.Sc. in Chemical Engineering

ISCED-6

Gheorghe Asachi Technical University of Iasi, Faculty of Chemical Engineering Romania

- Analytical techniques, synthesis of organic and inorganic compounds, biochemical investigation, and analysis of drugs in accordance with the graduate diplomas project

PERSONAL SKILLS

Mother tongue(s)	Romanian				
	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	B2	C1
	Independent user				
French	B2	B2	B2	B2	B2
	Independent user				

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills

- Good communication skills gained through my experience as a teacher and manager.

Organisational/managerial skills	<p>Competent organizer and coordinator, innovative in new project development and research activity with colleagues; chairperson, member, or organizer of several international and national conferences, round table conferences, or symposia (see additional information).</p> <ul style="list-style-type: none"> ▪ Founding and organization of the branch Targoviste within the Romanian Chemical Society (SChR) and involvement in many projects of this organization. ▪ Leadership - responsible for the research teams in several international/national projects and as the leader for WP3 – Research, in the European consortium KreativEU (2025-2029).
Job-related skills	<p>Aptitude for teamwork, reliability, flexibility, and perseverance, good coordinator, open to dialogue; Friendly, honest, and communicative – in the teaching process; good command of quality control processes (currently responsible for quality audit).</p>

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Independent user	Independent user	Independent user	Independent user	Independent user

Levels: Basic user - Independent user - Proficient user

ADDITIONAL INFORMATION

Publications
Presentations
Projects
Conferences
Seminars
Honours and awards
Memberships
References
Citations
Courses
Certifications

Visibility of the scientific contributions

Hirsch Index = 27 (Web of Science) 30 (Google Scholar) 22 (Scopus)

ORCID iD [0000-0003-1208-7732](https://orcid.org/0000-0003-1208-7732)

ResearcherID: [B-4847-2011](https://www.researchgate.net/profile/Cristiana_Radulescu)

ResearchGate: https://www.researchgate.net/profile/Cristiana_Radulescu

Scopus Author ID: [56266100500](https://www.scopus.com/authorid/detail.uri?authorId=56266100500)

<https://www.scopus.com/authorid/detail.uri?authorId=56266100500>

Publons Author Profile <https://publons.com/researcher/1475050/radulescu-cristiana/>

Mendeley Author Profile <https://www.mendeley.com/profiles/cristiana-radulescu/>

Google Scholar Profile <https://scholar.google.ro/citations?user=Eh9Mt04AAAAJ&hl=en>

BrainMap ID: U-1700-038N-8464 <https://www.brainmap.ro/cristiana-radulescu>

<https://www.aosr.ro/en/sections-2/>

<https://chimie.upb.ro/en/educatie/scoala-doctorala/conducatori/radulescu-cristiana/>

<https://www.euchems.eu/about-us/executive-board/>

<https://www.linkedin.com/in/radulescu-cristiana-156b3a89/?originalSubdomain=ro>

ISI Articles / Books / Patent /Projects (Annex I):

200 original articles, published in ISI journals

56 original articles, published in professional BDI journals/proceedings

over 300 conference participants with oral/poster presentation

29 books/chapter books and **2 international reports**

49 international and national projects/grants

9 patents/patent applications

Invited papers at international conferences

50 national/international awards

Editorial Advisory Boards / Reviewers

- **Editor in Chief** of the Journal of Science and Arts (Web of Science) since 2007;
- Editor of Special Issue of Antioxidants, MDPI journal - Antioxidant Activity of Grape and Grape By-Products

- https://www.mdpi.com/journal/antioxidants/special_issues/X0RV35ZIL7
- Editor of Special Issue of Coatings MDPI journal – Recent Trends in Coating of Biomaterials;
https://www.mdpi.com/journal/coatings/special_issues/recent_trends_coating_biomaterials
- Guest Editor of Special Issue on Applications of Chemometrics in the Pharmaceutical and Food Sciences and Industries - Challenges and Opportunities, Journal of Chemistry;
- Member of the Editorial Board of Advanced Functional Foods;
- Editorial Member Board of World Journal of Applied Chemistry and WASET-Scientific and Technical Committees & Editorial Review Board <http://www.waset.org>
- Reviewer - Web of Science/Scopus Journal – Molecules, Water, Dyes and Pigments, Analytical Letters, Materials, Nanomaterials, Chemometrics, Food Science and Nutrition, Heritage Science, Antioxidants, etc..
- **Chairperson and organizer of International Conference**, such as RO-ICAC'2012, RO-ICAC'2014, ICOSECS9, 2019, AdFoodChem2021, First Annual International KreativEU Conference - Heritage, Science, and Technologies for Sustainable Preservation, and National Conference of Chemistry, CNCHIM2024.

Responsible

VUT responsible for scientific cooperation with JINR Dubna, Russia through the bilateral project VUT-JINR
Responsible in EuChemS, on behalf of the Romanian Chemical Society.

Awards/distinctions

- 1) 2005 - Revista de Chimie Award for the best paper published in 2004, with title *Dyes derivatives of compact condensed system 2-aminothiazolo[4,5-b]pyridine*, Revista de Chimie, 2004, 55(2), pages 102-105, authors C. Radulescu, C. Tarabasnu-Mihaila
- 2) 2010 – Best Poster Award to the Workshop „Challenges in food Chemistry”, Ovidius University of Constanta, for the paper: Determination of Heavy Metals Content in Wild Mushrooms and Soil by EDXRF and FAA Techniques, authors: C. Radulescu et al
- 3) 2011 – Honor Diploma awarded by the Romanian Chemical Society for special merits in promoting chemistry in 2011 - The International Year of Chemistry
- 4) 2012 – “Ioan Ursu” Award for Physics Sciences - Academy of Romanian Scientists, for the book “Analytical Techniques used in Environmental Pollutions Studies”, Ed. Bibliotheca, Târgoviște, 2011
- 5) 2014 - Diploma and Gold Medal for the patent: Biomaterial compozit și procedeu de obtinere, awarded at National Salon of Research and Innovation, BACAU, Romania
- 6) 2015 - Diploma and Gold Medal for the patent: Composite biomaterials and process for preparing thereof - EUROINVENT 2015, Iasi, Romania
- 7) 2015 - Diploma of Excellence and Gold Medal for the patent: Composite biomaterials and process for preparing thereof - Proinvent Cluj-Napoca, Romania
- 8) 2015 – Special prize of Lucian Blaga University of Sibiu for the patent: Composite biomaterials and process for preparing thereof- Proinvent Cluj-Napoca, Romania
- 9) 2015 - Romanian Chemical Society Prize for special merits in promoting chemistry
- 10) 2016 – Excellence Prize at Cadet INOVA, Sibiu, Romania
- 11) 2019 - Diploma of Silver Medal for „New Diagnosis and Treatment Technologies for the Conservation and Revitalization of Archaeological Components from National Cultural Heritage” – EuroInvent, 11 Edition, Iasi, Romania
- 12) 2019 – „Costin Nenitescu” Medal and Diploma for special merits in the field of chemistry, awarded by the Romanian Chemical Society.
- 13) 2020 – Diploma Gold, for „The Corvins’ Castle between scientific investigation and restoration, International Exhibition INVENTCOR, First Edition, Deva 2020, Romania
- 14) 2020 – Diploma of Excellence – Metal Inventica 2020, in recognition of high scientific contribution to the project „New Diagnosis and Treatment Technologies for the Conservation and Revitalization of Archaeological Components from National Cultural Heritage” – XXIV-th International Exhibition of Inventics, Iasi, Romania
- 15) 2020 - Diploma of Excellence – Metal Inventica 2020, for the brevet „Composite Biomaterial and method of use” - XXIV-th International Exhibition of Inventics, Iasi, Romania
- 16) 2022 - Diploma and Gold Medal EuroInvent 2022, for the patent Nanomaterial, used for consolidating the decorative elements of historical heritage buildings and their preparation process and applications, 28 May 2022, Iasi, Romania

- 17) 2022 - Diploma and Gold Medal EuroInvent 2022 Book Salon for the book Monitorizarea Microclimatică. Prelevarea și prepararea probelor arheologice. Ghid de bune practici, 28 May 2022, Iasi, Romania
- 18) 2023 – Diploma and Silver Medal EuroInvent 2023, XV Edition, for the patent RO - A00416(2021), Ozone Resistive Sensor
- 19) 2023 – Diploma and Silver Medal INVENTICA 2023 for the patent RO - A100417(2021), Ammonia resistive sensor, Iasi, Romania
- 20) 2023 – Diploma and Gold Medal of International Salon of Inventions, Innovations "Traian Vuia" Timișoara for the patent RO 135101 B1 Emollient cream for dry skin with grape skin/seed extract (Organic culture of *Vitis vinifera* L., Fetească Neagră variety, 15 -17 June 2023, Timișoara
- 21) 2023 – Diploma of Excellence awarded by OSIM for the patent RO 135101 B1 Emollient cream for dry skin with grape skin/seed extract (Organic culture of *Vitis vinifera* L., Fetească Neagră variety, 15 -17 June 2023, Timișoara
- 22) 2023 - Diploma of Excellence for the patent RO 135101 B1 Emollient cream for dry skin with grape skin/seed extract (Organic culture of *Vitis vinifera* L., Fetească Neagră variety, 15 -17 June 2023, Timișoara
- 23) 2023 – Diploma and Gold Medal PRO INVENT 2023 for the patent RO 135101 B1 Emollient cream for dry skin with grape skin/seed extract (Organic culture of *Vitis vinifera* L., Fetească Neagră variety, 25-27 October 2023, Cluj Napoca, Romania
- 24) 2023 - Recognition plaque PROINVENT 2023 for excellence in research and innovation
- 25) 2023 – Diploma and Gold Medal PROINVENT 2023 for the invention A100528/26.09.2023, Rapid method for isolation of microplastics from milk, yogurt, sour cream and butter, 25-27 October 2023, Cluj Napoca, Romania
- 26) 2023 - Diploma of Excellence "Justin Capră" for the patent RO 135101 B1 Emollient cream for dry skin with grape skin/seed extract (Organic culture of *Vitis vinifera* L., Fetească Neagră variety, 25-27 October 2023, Cluj Napoca, Romania
- 27) 2023 - Diploma of Excellence "Justin Capră" for the invention A100528/26.09.2023, Rapid method for isolation of microplastics from milk, yogurt, sour cream and butter, 25-27 October 2023, Cluj Napoca, Romania
- 28) 2024 – Diploma and gold medal INVENTCOR 2024, for the patent RO 135101 B1 Emollient cream for dry skin with grape skin/seed extract (Organic culture of *Vitis vinifera* L., Fetească Neagră variety), International Exhibition INVENTCOR, 5th Edition, 4-6 April 2024, Deva, Romania
- 29) 2024 – Diploma and gold medal INVENTCOR 2024, for the invention A100528/26.09.2023, Rapid method for isolation of microplastics from milk, yogurt, sour cream and butter, International Exhibition INVENTCOR, 5th Edition, 4-6 April 2024, Deva, Romania
- 30) 2024 – Special prize for the invention A100528/26.09.2023, Rapid method for isolation of microplastics from milk, yogurt, sour cream, and butter, awarded by Technical University of Cluj Napoca, International Exhibition INVENTCOR, 5th Edition, 4-6 April 2024, Deva, Romania
- 31) 2024 - Special prize for the invention A100528/26.09.2023, Rapid method for isolation of microplastics from milk, yogurt, sour cream, and butter, awarded by OSIM, International Exhibition INVENTCOR, 5th Edition, 4-6 April 2024, Deva, Romania
- 32) 2024 – Certificate of Appreciation for the invention A100528/26.09.2023, Rapid method for isolation of microplastics from milk, yogurt, sour cream, and butter, awarded by Association of Inventors and Innovators UPI CIB, Serbia within International Exhibition INVENTCOR, 5th Edition, 4-6 April 2024, Deva, Romania
- 33) 2024 – Gold Medal for the patent RO 135101 B1 Emollient cream for dry skin with grape skin/seed extract (Organic culture of *Vitis vinifera* L., Fetească Neagră variety), EUROINVENT Iasi, 6-8 June 2024
- 34) 2024 - Gold Medal for the patent application A100528/26.09.2023, Rapid method for isolation of microplastics from milk, yogurt, sour cream and butter, EUROINVENT Iasi, 6-8 June 2024
- 35) 2024 - Special prize awarded by OSIM for the patent application A100528/26.09.2023, Rapid method for isolation of microplastics from milk, yogurt, sour cream and butter, EUROINVENT Iasi, 6-8 June 2024
- 36) 2024 – Gold Medal for the patent application PCT/RO2024/000010 / 15.04.2024, Rapid method for isolation of microplastics from milk, yogurt, source cream, and butter, International Salon of Invention and Innovative Entrepreneurship, 2nd edition, 16-17 mai 2024, Chisinau, Republic of Moldova
- 37) 2024 – Gold Medal for the Chapter book - Grape by-products: Potential sources of phenolic compounds for novel functional foods, International Salon of Invention and

- Innovative Entrepreneurship, 2nd edition, 16-17 mai 2024, Chisinau, Republic of Moldova
- 38) 2024 – Diploma of Gold Medal for the patent application PCT/RO2024/000010 / 15.04.2024, Rapid method for isolation of microplastics from milk, yogurt, source cream, and butter, 3rd Edition of the International Exhibition of Innovation and Technology Transfer EXCELLENT IDEA -2024, 20-22 September 2024, Chisinau, Republic of Moldova
 - 39) 2024 - Diploma of Gold Medal for the patent RO 135101 B1 Emollient cream for dry skin with grape skin/seed extract (Organic culture of *Vitis vinifera* L., Fetească Neagră variety), 3rd Edition of the International Exhibition of Innovation and Technology Transfer EXCELLENT IDEA -2024, 20-22 September 2024, Chisinau, Republic of Moldova
 - 40) 2024 - Diploma of Gold Medal for the patent application RO 138394 A0/50.05.2024 Rapid screening method of imazalil and thiabendazole from citrus, 3rd Edition of the International Exhibition of Innovation and Technology Transfer EXCELLENT IDEA - 2024, 20-22 September 2024, Chisinau, Republic of Moldova
 - 41) 2024 - Diploma of Silver Medal for article Effect of grape variety and extraction procedure on the phenolics content and antioxidant activity of white grape by-products, 3rd Edition of the International Exhibition of Innovation and Technology Transfer EXCELLENT IDEA -2024, 20-22 September 2024, Chisinau, Republic of Moldova
 - 42) 2024 - Diploma of Silver Medal for chapter Correlation between enzymatic and non-enzymatic antioxidants in several edible mushroom species, part of the book Food Engineering, 3rd Edition of the International Exhibition of Innovation and Technology Transfer EXCELLENT IDEA -2024, 20-22 September 2024, Chisinau, Republic of Moldova
 - 43) 2024 – Diploma of Excellence awarded by Academy of Sciences of Moldova for invention RO 135101 B1 Emollient cream for dry skin with grape skin/seed extract (Organic culture of *Vitis vinifera* L., Fetească Neagră variety), 3rd Edition of the International Exhibition of Innovation and Technology Transfer EXCELLENT IDEA - 2024, 20-22 September 2024, Chisinau, Republic of Moldova
 - 44) 2024 – Diploma of Excellence awarded by the Academy of Sciences of Moldova for the patent application PCT/RO2024/000010/15.04.2024, Rapid method for isolation of microplastics from milk, yogurt, source cream, and butter, 3rd Edition of the International Exhibition of Innovation and Technology Transfer EXCELLENT IDEA-2024, 20-22 September 2024, Chisinau, Republic of Moldova
 - 45) 2024 - Diploma of Excellence for the best national project at Research Gala 2024, Valahia University of Targoviste, 20-22 November 2024, Targoviste, Romania
 - 46) 2024 - Diploma of Excellence for the Most Visible Researcher at Research Gala 2024, Valahia University of Targoviste, 20-22 November 2024, Targoviste, Romania
 - 47) 2025 - Diploma of Gold Medal for the patent application RO 138394 A0/50.05.2024 Rapid screening method of imazalil and thiabendazole from citrus, International Exhibition INVENTCOR 6th edition, 3-5 April 2025, Deva, Romania
 - 48) 2025 – Special Award for the patent application RO 138394 A0/50.05.2024 Rapid screening method of imazalil and thiabendazole from citrus, offered by Politehnica University of Timisoara, at International Exhibition INVENTCOR 6th edition, 3-5 April 2025, Deva, Romania
 - 49) 2025- Excellence Award for the patent application RO 138394 A0/50.05.2024 Rapid screening method of imazalil and thiabendazole from citrus, offered by ICECHIM, at International Exhibition INVENTCOR 6th edition, 3-5 April 2025, Deva, Romania
 - 50) 2025 – Certificate of Excellence for the patent application RO 138394 A0/50.05.2024 Rapid screening method of imazalil and thiabendazole from citrus, offered by Research and Development Center Healthy Vibe – Holistic Treatment, at International Exhibition INVENTCOR 6th edition, 3-5 April 2025, Deva, Romania
 - 51) 2025 – Gold Medal for the book Innovation and Sustainable Entrepreneurship for a Green Future, authors: G. Teodorescu, C. Radulescu, D.D., Tanislav, S-G Stanescu, D. Iancu, awarded at the International Salon of Invention and Innovative Entrepreneurship, June 6-7, 2025, Chisinau, Republic of Moldova
 - 52) 2025 – Gold Medal for the patent application RO 138394 A0/50.05.2024 Rapid screening method of imazalil and thiabendazole from citrus, at the International Salon of Invention and Innovative Entrepreneurship, June 6-7, 2025, Chisinau, Republic of Moldova
 - 53) 2025 – Gold Medal in the category Implementation of research results in practice, with the paper Polyphenolic Screening and the Antioxidant Activity of Grape Pomace Extracts of Romanian White and Red Grape Varieties (Antioxidants, 13(9), 1133,

- 2024 (IF=6.0, Q1), at the International Salon of Invention and Innovative Entrepreneurship, June 6-7, 2025, Chisinau, Republic of Moldova
- 54) 2025 – Gold Medal in the category Implementation of research results in practice, with the paper Heavy Metals and Associated Risks of Wild Edible Mushrooms Consumption: Transfer Factor, Carcinogenic Risk, and Health Risk Index (Journal of Fungi, 10(12), 844, 2024, IF=4.2, Q1), at the International Salon of Invention and Innovative Entrepreneurship, June 6-7, 2025, Chisinau, Republic of Moldova

International Bibliographic Dictionaries

2007 – Who's Who in the World Awards, New Providence, U.S.A., and included in 25th Silver Anniversary Edition of Who's Who in the World volume.

2010 - Who's Who in Science and Engineering.

Member of the Professional Societies

- Executive Board of European Chemical Society, EuChemS, elected member for the period 2022-2025 <https://www.euchems.eu/about-us/executive-board/>
- EuChemS – Division of Chemical Education <https://www.euchems.eu/divisions/chemical-education-2/>
- EFB - European Federation of Biotechnology <http://www.efbiotechnology.org/>
- World Academy of Science, Engineering and Technology, WASET, [Scientific and Technical Committees & Editorial Review Board], <http://www.waset.org>
- Romanian Chemical Society, SChR; president of branch Targoviste within SChR <http://www.schr.ro/organizare/>
- EURACHEM Romania
- The Scientific Research Society Ad Astra <https://ad-astra.ro/whos-who/?member=1>
- The Scientific Research Society, SIGMA Xi
- The European Agricultural and Food Research Landscape

Professor habil. Cristiana Radulescu

List of Publications

ISI Articles

1. **Radulescu C.**, Olteanu R.L., Buruleanu C.L., Stirbescu R.M., Banica A. L., Pavelescu R.D., Sha'at F., Petrescu M.M., Stanciu G., Liposome-based dermatocosmetic formulations with red grape pomace and *Polygonum cuspidatum* extracts, *Antioxidants*, 2025 IF=6.6 (Q1)
2. Banica A.L., **Radulescu C.**, Buruleanu C.L., Olteanu R.L., Stirbescu A.L., Stanescu S.G., Dulama I.D., Emerging Health Risks Associated with the Intake of Microplastics Found in Milk and Dairy Products, *Microplastics*, 2025 IF= 5.1 (Q1)
3. Zarafu I., Musat I., Limban C., Nuta D.C., Dulama I.D., **Radulescu C.**, Stirbescu R.M., Tatibouet A., Chifiriuc C, Marutescu L., Popa M., Dragu L., Radu E., Nicolau I., Bleotu C., Ionita P., Comprehensive evaluation of covalently functionalized graphene oxide with sulfamides: antibacterial potential, antitumoral properties, and metabolic insights, *Molecules*, 30(12), 2585, 2025 IF=4.6 (Q2) [DOI:10.3390/molecules30122585](https://doi.org/10.3390/molecules30122585)
4. Lupșor S., Stanciu G., Cristache E.R., Panus E., **Radulescu C***, Olteanu R.L., Buruleanu C.L., Stirbescu R.M., Mititelu M., Phytochemical Evaluation and Antioxidant-Antimicrobial Potential of Liliium spp. Bulbs: Therapeutic and Dermatocosmetic Applications, *Plants*, 14(13), 1917, 2025 I.F.=4.1, (Q1) [DOI: 10.3390/plants14131917](https://doi.org/10.3390/plants14131917)
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7. Carstea (Elekes) A.M., Gligor M., Bucurica I.A., Dulama I.D., **Radulescu C.**, Stirbescu R.M., Banica A.L., Stanescu S.G., Analysis and Structural Investigations on Neolithic Painted Pottery from Zăuan "Dâmbul Spânzuraților" Archaeological Site, *Journal of Science and Arts*, 25(2), 445-464, 2025 IF=0.3 (Q4) [DOI: 10.46939/J.Sci.Arts-25.2-b05](https://doi.org/10.46939/J.Sci.Arts-25.2-b05)
8. Minea B.B., Buruleanu C.L., **Radulescu C***, Antifungal Activity of Some Citrus Extracts, *UPB Scientific Bulletin - Series B Chemistry and Materials Science*, 87(4), 2025, IF=0.3 (Q4)
9. Bucur (Popa) R.M., **Radulescu C***, Dulama I.D., Stirbescu R.M., Bucurica I.A., Banica A.L., Stanescu S.G., Potential Health Risk of Microplastic Exposures from Skin-Cleansing Products, *Toxics*, 13(5), 354, 2025 IF=4.1 (Q1) [DOI: 10.3390/toxics13050354](https://doi.org/10.3390/toxics13050354)
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R&D Projects

1. European Universities Alliance - KreativEU (Knowledge & Creativity European University), 2025 – 2029, member of the KreativEU project and WP3 responsible for Research and Innovation
2. PFM/169/PFM_P1/NA/P1_OS1/FM_1.1 – Sprijinirea investițiilor în noi capacități de producere a energiei electrice produse din surse regenerabile pentru autoconsum pentru entități publice, Programme Fondul de Modernizare, project code 315961 - Realizarea unei investiții în capacități noi de producere a energiei electrice din surse regenerabile solară, pentru asigurarea autoconsumului la nivelul Universității „Valahia” din Târgoviște, No contract: 790/01.04.2025, period 01 April 2025 – 31 March 2026, value 4.462.211,89 RON, director of project
3. PN-IV-P7-7.4-FTT-2024-0047, Festivalul de Inovare și Transfer Tehnologic FITT- Muntenia 2025, value 500.000 RON, director of the project
4. ERASMUS-EDU-2024-EMJM-DESIGN, Topic: ERASMUS-EDU-2024-EMJM-DESIGN, ERASMUS Lump Sum Grant, Proposal number: 101180427, Heritage – multidisciplinary approach for better preservation, Multi-Heritage2024, 2024-2026, member of project and WP3 responsible (Research and Innovation)
5. Horizon Europe - HORIZON-CL5-2022-D4-01-02 Renewable-intensive, energy positive homes, HORIZON-IA HORIZON Innovation Actions, Project: 101103450 - Renewable ENergy-based Positive Homes – RENplusHOMES, 5,999,983 EUR, member

6. Horizon 2020 - EIT HEI INITIATIVE Innovation Capacity Building for Higher Education, Innovation and Entrepreneurship in HEIs (DEEP INVENTHEI), 2023-2025, value 600.000 EUR; VUT Administrative staff member
7. Horizon 2020 - EIT HEI INITIATIVE Innovation Capacity Building for Higher Education, Innovation and Entrepreneurship in HEIs (INVENTHEI), 2021-2023, value 1.200.000 EUR; VUT Administrative staff member
8. Horizon 2020 - LC-SC3-ES-3-2018-2020 - Project no. 824388/2018 E-LAND Integrated multi-vector management system for Energy isLANDs, 2018-2022, VUT value: 392.000 EUR, VUT member.
9. COST Action- CA18130: European Network for Chemical Elemental Analysis by Total Reflection X-Ray Fluorescence, 2019-2023, 105,006.50 EUR, member
10. PDI-PFE, ID 584/2021-2024, ProExcellence - Excellence and Performance for Increasing the Institutional Capacity of RDI, value 3.064.000,00 lei, director of project.
11. Project CNFIS-FDI-2024-F-0002, Dezvoltarea sustenabilă a activităților de cercetare și inovare – componentă în creșterea capacității instituționale, Sustain-R&I, value 389.000,00 lei, director of project
12. Project CNFIS-FDI-2023-F-0048 – StartINOV: Research and Innovation as an interface for preparing a sustainable competitive environment (Cercetarea și Inovarea ca interfață pentru pregătirea unui mediu competitiv sustenabil), 389.000,00 lei, director of project.
13. Proiect CNFIS-FDI-2022-0034- Open Research: New Perspectives on Adhering to Open Science Practices In Valahia University of Targoviste, value 342.800 lei, director of project
14. Project CNFIS-FDI-2021-0075, D6 - CNFIS-FDI-2021-0075 ProResearch: Quality, Performance, Excellence - concepts for a stimulating and competitive environment in research, value 337868 lei – director of project
15. EEA Financial Mechanism 2014-2021, Research Project RO-NO-20190691-2020-2023, GRAAL Recovery - Granular activated algae technology for wastewater treatment and resources recovery, VUT Key person (Total project value 1.182.485 EUR)
16. Project PN-III-P2-2.1-PED-2019-5248, 364PED/2020-2022, Controlled atmosphere for fruit and vegetable storage: multidisciplinary solution and low cost (CASTOL), value VUT 55.677,00 lei, member
17. Project CNFIS-FDI-2020-0397, PerExcel: Performance and Excellence in Multidisciplinary Research, value 330000 lei, director of project.
18. Bilateral Project between Valahia University of Targoviste and Joint Institute for Nuclear Research, Dubna, Moscow Region, on Theme 03-4-1128-2017/2022, Air pollution assessment by neutron activation analysis and related atomic methods using biological indicators, Value 4500 USD, member.
19. Project POCU/379/6/21/-125160VIITOR-ANTREPRENOR - Cresterea participarii studentilor din categorii vulnerabile la programme de studii de licenta prin cadre inovative antreprenoriale, value 7.329.870,11 lei; expert/responsible with Innovation
20. Project PN-III-P1-1.2-PCCDI-2017-0476, contract 51PCCDI/2018, New diagnosis and treatment technologies for the preservation and revitalization of archaeological components of the national cultural heritage, VUT responsible; VUT Value: 1.196.707,00 lei (Total Project Value 5.287.500,00 lei)
21. Bilateral Project 04-4-1121-2015/2020, between Valahia University of Targoviste and Joint Institute for Nuclear Research, Dubna, Moscow Region; Protocol 4755-4-2018/2022, Micro-structural and compositional characterization of supports and coating layers on different substrates applied in biomaterials, photoelectrochemicals catalysis and cultural heritage, VUT leader of the project, Value:10.000 USD
22. Bilateral Grant 04-4-1121-2015/2020, between Valahia University of Targoviste and Joint Institute for Nuclear Research, Dubna, Moscow Region; Protocol 4755-4-2018/2020, Microstructural characterization of coating layers prepared by PEO in sodium dihydrogen phosphate on titanium alloys, using neutron scattering techniques; final experimental results processing, VUT leader of the grant, Value: 5.000 USD
23. Bilateral Project 03-4-1128-2017/2019 between Valahia University of Targoviste and Joint Institute for Nuclear Research, Dubna, Moscow Region; Protocol 4748-4-2018/2019, *Health risk assessment associated with abandoned copper and uranium mine tailings from Banat Region, Romania*, member in project
24. Bilateral Project 03-4-1128-2017/2019 between University of Bucharest, Valahia University of Targoviste and Joint Institute for Nuclear Research, Dubna, Moscow Region; Protocol 4607-4-2017/2019, *Nuclear and Related analytical techniques used to study sediments from the Roumanian Plane salt lakes*, VUT leader of the project
25. Bilateral Project 04-4-1121-2015/2020, between Valahia University of Targoviste and Joint Institute for Nuclear Research, Dubna, Moscow Region; Protocol 4755-4-2018/2020, *Study of the processes of tetragonal ZrO₂ phase stabilization in coating layers prepared on Zr–2.5%Nb alloy during plasma electrolytic oxidation in sodium aluminate electrolytes, by means of FSD and HRFD measurements*, VUT leader of the project
26. Bilateral Grant 04-4-1121-2015/2020, between Valahia University of Targoviste and Joint Institute for Nuclear Research, Dubna, Moscow Region; Protocol 4755-4-2018/2020, *Micro-structural characterization of processes of tetragonal ZrO₂ phase stabilization in coating layers prepared on Zr–2.5%Nb alloy during plasma electrolytic oxidation in sodium aluminate electrolytes, by SANS measurements performed at YUMO instrument in function at IBR-2M reactor*, VUT leader of the project
27. Bilateral Project 04-4-1121-2015/2017 between University of Bucharest, Valahia University of Targoviste and Joint Institute for Nuclear Research, Dubna, Moscow Region; Protocol 4607-4-2017/2019, *Complex Investigation (Neutron Activation Analysis, Fourier Transform Infrared and Raman Spectroscopy, Inductively Coupled Plasma – Mass Spectroscopy, Scanning Electron Microscopy + Multielemental Analysis, Optical*

- Microscopy and Image Analysis) of the unconsolidated sediments of Romanian Plain salt lakes, VUT leader of the project*
28. Bilateral Project 03-4-1128-2017/2019 between Valahia University of Targoviste and Joint Institute for Nuclear Research, Dubna, Moscow Region; Protocol 4619-4-2017/2019, *Applied research on air and soil pollution with toxic elements using nuclear and related techniques*, member in project
 29. Bilateral Project 03-4-1128-2017/2019 between Valahia University of Targoviste and Joint Institute for Nuclear Research, Dubna, Moscow Region; Protocol 4616-4-2017/2019, *The influence of different types of fertilizers/pesticides on fruit trees, apples and plumps*, member in project
 30. Bilateral Project 03-4-1128-2017/2019 between Valahia University of Targoviste and Joint Institute for Nuclear Research, Dubna, Moscow Region; Protocols 4618-4-2017/2019 and 4620-4-2017/2019, *Studies and experiments concerning characterization and superior utilization of sludge from municipal wastewater treatment plants*, member in project
 31. Bilateral Project 03-4-1104-2011/2016 between Valahia University of Targoviste and Joint Institute for Nuclear Research, Dubna, Moscow Region; Protocol 4323-4-2014/2016, *Nuclear and related analytical techniques applied for air pollution studies in Romania with heavy metals, nitrogen, and radionuclides for participation in the European Moss Survey programme in 2015-2018*, leader of the project
 32. Bilateral Project 03-4-1104-2011/2016 between Valahia University of Targoviste and Joint Institute for Nuclear Research, Dubna, Moscow Region Protocol 4521-4-2015/2016, *Paleoenvironmental studies in Romanian Plain using nuclear and related analytical techniques*, leader of the project
 33. Bilateral Project 03-4-1104-2011/2016 between Valahia University of Targoviste and Joint Institute for Nuclear Research, Dubna, Moscow Region; Protocol 4323-4-2014/2016, *Nuclear and related analytical techniques applied for air pollution studies in Romania with heavy metals, nitrogen, and radionuclides for participation in the European Moss Survey programme in 2015-2018*, leader of the project
 34. Bilateral Grant 03-4-1104-2011/2016 between Valahia University of Targoviste and Joint Institute for Nuclear Research, Dubna, Moscow Region Protocol 4521-4-2015/2016, *Paleoenvironmental studies in Romanian Plain using nuclear and related analytical techniques*, leader of the project
 35. Research Project PN-II-RU-TE-2014-4-2801, *Research on the detection of bioactive substances from plant extracts with antioxidative capacity*, director of the project Monica Florescu, 2015-2017, position in project: member;
 36. Bilateral Project between Valahia University of Targoviste and Joint Institute for Nuclear Research, Dubna, Moscow Region; Project 04-4-1104-2011/2014 *Nuclear and Related Analytical Techniques for Environmental and Life Sciences*, 2011/2014 – leader of the project
 37. Research Grant between Valahia University of Targoviste and Joint Institute for Nuclear Research, Dubna, Moscow Region; Grant 03-4-1104-2013/2014 *Nuclear and Related Analytical Techniques for Environmental and Life Sciences*, 2010-2014 - leader of the project
 38. Research Project SEE 2009-2014, "Research within priority sectors" programme, EEA-JRP-RO-NO-2013-1-0096 *Towards a better protection of children against air pollution threats in the urban areas of Romania*, coordinator Valahia University of Targoviste, partner: Stiftelsen Norsk Institutt for Luftforskning (Norwegian Institute for Air Research), 2014-2017 – position in project : Coordinator of physicochemical analyses
 39. Bilateral Project between Valahia University of Targoviste and Joint Institute for Nuclear Research, Dubna, Moscow Region Protocol 4323-4-2014/2016 *Nuclear and related analytical techniques applied for air pollution and vegetation with heavy metals, nitrogen and radionuclides*, 2014-2015 – member
 40. Bilateral Project between Valahia University of Targoviste and Joint Institute for Nuclear Research, Dubna, Moscow Region Project 04-4-1104-2012/2013 "*Nuclear and related analytical techniques for environmental and life sciences: therapeutic mud analysis*", 2011-2013, position in project: member;
 41. Bilateral Project between Valahia University of Targoviste and Joint Institute for Nuclear Research, Dubna, Moscow Region; Project 06-4-1036-2001/2010 *Neutron Nuclear Physics – Fundamental and Applied Research, Nuclear and Related Analytical Techniques Applied to Evaluation of Environmental Pollutants and Food Contamination – Part 1: Investigation of Heavy Metal Content and Oxidation Susceptibility of Edible Oils Part 2: Heavy metal pollution of the Dambovita County, Romania, studied by nuclear and related analytical techniques*, 2001-2010, position in project: member
 42. Grant 04-4-1069-2010/2011, 3rd seminar JINR-Romania "Neutron physics Summer School", 2010-2011.
 43. Research Project PNII: 262/2014 ISMAC, *High Performance Polymeric Insulation for Rotary Electric Machines. Technology and modeling methods (Izolatii polimerice de inalta performanta pentru masini electrice rotative. Tehnologie si metode de modelare)* 2014-2016 – member, position in project – Coordinator of doctoral activities of PhD, as well as Responsible with physico-chemical analyses.
 44. Research Project PNII : 72-172/2008 TIPSARMER, *High precision and sensitivity techniques applied in biomonitoring networks of environmental pollution with pollutants in the South, South-Eastern and Central Development Areas of Romania (Tehnici de inalta precizie si sensibilitate aplicate in retele de biomonitorizare a poluarii mediului cu factori poluanti din zonele de dezvoltare de Sud, Sud-Est si central a Romaniei)*, 2008-2011, position in project: member and Responsible with physico-chemical analyses
 45. Research Project ID 624/2008, *Study of the capacity of some ubiquitous macromycetes species for the absorption of heavy and rare metals for use as bioindicators and bioaccumulators in environmental biotechnologies (Studiul capacitatii unor specii de macromicete ubicvitate pentru absorbtia metalelor grele si*

- rare în scopul utilizării acestora ca bioindicatori și bioacumulatori în biotehnologii de mediu), 2008-2011, position in project: member and Responsible with physico-chemical analyses
46. Research Project PNII : 31_081/14.09.2007, FITOMIN, *The physico-chemical basics of fitominerite technology in contaminated geological and technological environments (Bazele fizico chimice ale tehnologiei de fitominerit in mediile geologice si tehnologice contaminate)*, 2007-2010, position in project: member
 47. Research Project PNCDI-II 1768/2007, PIEZOSENZ, *Piezoelectric microsensor, measurement, analysis and multiparametric, integrated 3D system (Sistem de senzori piezoelectrice, de masurare, analiza si control multiparametru, integrat 3D)*, 2007-2010, position in project: member.
 48. Grant S_10/01/10/2005, *Analize fizico-chimice a apelor de suprafața în scopul determinării gradului de poluare cu metale grele și poluanți organici*, 2005-2006, position in project: member.
 49. Grant 632/1996, *Extraction and characterization of natural colorants from the leaves and seeds of the Basella Rubra plant. A new plant source for the extraction of food colorants (Extracția și caracterizarea coloranților naturali din frunzele și semințele plantei Basella Rubra. O noua sursa vegetală pentru extracția coloranților alimentary)*, 1996-1998, position in project: member

Patents

1. Ion R.M., Poinescu A., **Radulescu C.**, Nelu I., Oros C., *Composite biomaterial made of hydroxyapatite reinforced with strontium titanate SrTiO₃*, patent RO 130663B1 BOPI 12/2019
https://osim.ro/wp-content/uploads/Publicatii-OSIM/BOPI-Inventii/2019/bopi_inv_12_2019.pdf
2. **Radulescu C.**, Nicolescu C.M., Bumbac M., Olteanu R.L., Buruleanu L.C., Gorghiu L.M., Holban C.G., *Dry Skin Emollient Cream with Skin / Seed Extract (Vitis Vinifera L. Organic Culture, Fetească Neagra Variety) - Patent RO 135101 B1 BOPI 11/2022*
https://osim.ro/images/Publicatii/Inventii/2022/bopi_11_2022.pdf
3. Serban B-C., Buiu O., Bumbac M., **Radulescu C.**, *Ammonia resistive sensor*, A2021 00416/06.07.2021; 137259 A2; BOPI 1/2023 https://osim.ro/images/Publicatii/Inventii/2023/bopi_inv_012023.pdf
4. Serban B-C., Buiu O., Nicolescu C.M., **Radulescu C.**, *Ozone resistive sensor*, A2021 00417/06.07.2021; 137258 A2; BOPI 1/2023 https://osim.ro/images/Publicatii/Inventii/2023/bopi_inv_012023.pdf
5. Ion R.M., **Radulescu C.**, Iancu L., Grigorescu L.M., Gorghiu L.M., Ion N., David M.N., Slamnoiu Teodorescu S., *Nanomaterial used to strengthen the decorative elements of historic heritage buildings and its preparation and application process*, A 2021 -00531/07.09.2021
6. **Radulescu C.**, Dulama I.D., Bănica A. L., Bucurica I.A., Stirbescu R.M., Gorghiu L.M., *Rapid method of isolation of microplastics from milk, yogurt, cream, and butter*, A100528/26.09.2023
https://www.osim.ro/images/Publicatii/Inventii/2024/bopi_inv_01_2024.pdf
7. Serban B-C., Buiu O., Bumbac M., Nicolescu C.M., **Radulescu C.**, *Matrix nanocomposite for chemoresistive oxygen sensor (V)*, A100548, RO, OSIM, 08.09.2022
8. **Radulescu C.**, Dulama I.D., Bănica A. L., Bucurica I.A., Stirbescu R.M., Gorghiu L.M., *Isolating microplastics from milk, yogurt, sour cream, and butter by pretreating samples with ultrapure reagents for digestion of complex organic matrix and homogenization by stirring at specific rpm, actual digestion by ultrasonically treating at specific temperature, and filtrating under vacuum*, European patent no WO2025071426-A1 (PCT/RO2024/000010/15.04.2024) **Derwent Primary Accession Number 2025-35262Y**
9. **Radulescu C.**, Olteanu R.L., Dulama I.D., Bucurica I.A., Galaon T., Stirbescu R.M., Bănica A. L., Minea B.B. *Rapid screening method of imazalil and thiabendazole from citrus*, RO 138394 A0/50.05.2024, RO-BOPI /30.09.2024 https://www.osim.ro/images/Publicatii/Inventii/2024/bopi_inv_09_2024.pdf
10. **Radulescu C.**, Olteanu R.L., Pavaloiu R.D., Sha'at F., Petrescu M.M., Menihart L., Moldovan D., *Gel dermatocosmetic pe baza de lipozomi cu extract de floare de Polygonum cuspidatum (Dermatocosmetic gel based on liposomes with Polygonum cuspidatum flower extract)* patent application A/00383/2025

Professor habil. Cristiana Radulescu