

PERSONAL INFORMATION Cristiana Radulescu


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

Sex F | Date of birth 21/08/1967

POSITION Professor / Manager

WORK EXPERIENCE

- 2014 - up to date **Professor**
 Valahia University of Targoviste (Targoviste 130024, Dambovita County, Romania www.valahia.ro; <https://fs.valahia.ro/en>)
- Teaching activities: Responsible with course for: Analytical and Inorganic Chemistry, The Bases of Inorganic Chemistry, Chemistry of Nonmetals, Chemistry of Metals, Chemistry of Coordination Compounds; Professor / coordination / management of thesis of diploma work, thesis of dissertation for university students and for scientific papers; Management 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; Ph.D. thesis evaluation.
 - Other responsibilities: Member of Teaching Council of Faculty of Sciences and Arts.
 - Activities within Romanian Chemical Society, SChR: President of SChR, branch Targoviste, from 2006 –up to date.
 - Editorial activity: Editor-in-chief of Journal of Science and Arts (in Web of Science since 2015).
- Academic
- 2016 - up to date **Director General**
 Institute of Multidisciplinary Research for Science and Technology – Valahia University of Targoviste (ICSTM-UVT) (13 Sinaia Alley, 130004, Targoviste, Romania www.icstm.ro)
- 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.
 - **Manager** responsibilities: Represents ICSTM relationships with other entities within the university and beyond; Responsible with the scientific research in ICSTM (publications, projects, conferences etc); Coordinates the development of national and international scientific partnerships; Member of Administrative Council of UVT.
- Research
- 2012 - 2016 **Vice-dean of Faculty of Science and Arts**
 Valahia University of Targoviste (Targoviste 130024, Dambovita County, Romania www.valahia.ro)
- Responsibilities as vice-dean of 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, Dambovita County, Romania
www.valahia.ro)

- Teaching activities: Responsible with course and laboratories for: Analytical and Inorganic Chemistry, The Bases of Inorganic Chemistry, Chemistry of Nonmetals, Chemistry of Metals, Chemistry of Coordination Compounds, Spectroscopic Techniques; Professor / coordination / management of thesis of diploma work, thesis of dissertation for university students and for scientific papers; Management of the first degree work for pre-university education; Member of upgrade and second degree committee; President/Member of committee to promotion as associate professor and full professor, as well as 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: Course 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 entitled Allotropy, Isotropy, Isomorphism for Department of Teacher Training (DPPD); Responsible with courses: Polluted Emissions. (15.10.2006-15.11.2006) Consulting and Training Regional Centre in EcoManagement - Program PHARE 2003 Economic and Social Cohesion - Promoting the Human Capital; and Environmental Protection in the context of European legislation (20.05.2007-15.06.2007) – Human Resources Development, Eurocompetences transfer: The Way to Excellence in Business - Program PHARE 2004; Guidance / coordination / management of diploma work, thesis of dissertation for university students.
- Scientific Research: Coordination, participation 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: Responsible with course and laboratories for: 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**

January 30, 2011 – February
13, 2011

Certificate

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

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

January 16, 2006 –
September 16, 2006

Postgraduate diplomas

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

- 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 the EIM and BM level II and III studies for different institutions for obtaining the 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 sample 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

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
Independent user					
French	B1	B1	B1	B1	B1
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 teacher and manager.

Organisational / managerial skills Competent organizer and coordinator, innovative in new projects development and in research activity with colleagues; chairperson, member or organizer of several international and national conferences, round table conferences or symposia (see additional information's).
 ▪ Founding and organization the branch Targoviste within Romanian Chemical Society (SChR) and involvement in many projects of this organization.
 ▪ Leadership - currently responsible for a team of research institut (ICSTM-UVT).

Job-related skills Aptitude for teamwork, reliability, flexibility, perseverance, good coordinator, open to dialogue; Friendly, honest, communicative – in the teaching process; good command of quality control processes (currently responsible for quality audit).

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 = 19 (Web of Science)
ORCID iD 0000-0003-1208-7732
Researcher ID: B-4847-2011; <http://www.ad-astra.ro/asso/members.php?lang=ro>
RG 35.76 (https://www.researchgate.net/profile/Cristiana_Radulescu)
Scopus Author ID: 56266100500
<https://www.scopus.com/authid/detail.uri?authorId=56266100500>
Publons Author Profile <https://publons.com/researcher/1475050/radulescu-cristiana/>
Mendeley Author Profile <https://www.mendeley.com/profiles/cristiana-radulescu/>
BrainMap ID: U-1700-038N-8464 <https://www.brainmap.ro/cristiana-radulescu>

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

109 original articles, published in ISI journals;
87 original articles, published in professional BDI journals and international conference proceedings;
over 110 conference participation with oral/poster presentation;
23 books/chapter books and 2 reports
33 international and national projects/grants;
1 patent;
Invited papers at international conferences;
Editor in Chief of *Journal of Science and Arts* (Web of Science) since 2007;
Chairperson and organizer of International Conference, such as: RO-ICAC'2012, RO-ICAC'2014 and ICOSECS9, 2019.
Responsible from the part of SChR in EuChemS, Division of Chemical Education

Awards / distinctions

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
2010 – Best Poster Award to the Workshop „Challenges in food Chemistry”, Ovidius University of Constanta, for paper: Determination of Heavy Metals Content in Wild Mushrooms and Soil by EDXRF and FAA Techniques, authors: C. Radulescu et al
2011 – Honor Diploma awarded by Romanian Chemical Society for special merits in promoting chemistry in 2011 - The International Year of Chemistry
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
2014 - Diploma and Gold Medal for the patent: Biomaterial compozit și procedeu de obținere, awarded at National Salon of Research and Innovation, BACAU, Romania
2015 - Diploma and Gold Medal for the patent: Composite biomaterials and process for preparing thereof - EUROINVENT 2015, Iasi, Romania
2015 - Diploma of Excelency and Gold Medal for the patent: Composite biomaterials and process for preparing thereof - Proinvent Cluj-Napoca, Romania
2015 – Special prize of Lucian Blaga University of Sibiu for the patent: Composite biomaterials and process for preparing thereof- Proinvent Cluj-Napoca, Romania
2015 - Romanian Chemical Society Prize for special merits in promoting chemistry
2016 – Excellence Prize at Cadet INOVA, Sibiu, Romania
2019 - Dipoloma of Silver Medal for „New dignosis and Tretment Technologies for the Conservation and Revitalization of Archaeological Components from National Cultural Heritage” – EuroInvent, 11 Edition, Iasi, Romania
2019 – „Costin Nenitescu” Medal and Diploma for special merits in the field of chemistry, awarded by Romanian Chemical Society.

International Bibliographic Dictionaries

2007 – Who's Who in the World Awards New Providence, U.S.A. and including in 25th Silver Anniversary Edition of Who's Who in the World volum.
2010 - Who's Who in Science and Engineering.

Member of the Professonal Societies

- EuChemS – Division of Chemical Education
- World Academy of Science, Engineering and Technology, WASET, [Scientific and Technical Committees & Editorial Review Board], <http://www.waset.org>
- EURACHEM Romania
- Romanian Chemical Society, SChR; president of branch Targoviste within Romanian Chemical Society
- The Scientific Research Society Ad Astra
- The Scientific Research Society, SIGMA Xi
- The European Agricultural and Food Research Landscape Agrifoodresearch

List of Publications

ISI Articles

1. Andrei, V.A, **Radulescu C***, Malinovski V., Marin A., Cioaca E., Mihalache M., Mihailescu C.N., Dulama I.D., Teodorescu S., Bucurica I.A., Aluminum oxide ceramic coatings on 316L austenitic steel obtained by Plasma Electrolysis Oxidation using a pulsed unipolar power supply, *Coatings*, 2020 IF= 2.330
2. **Radulescu C.**, Olteanu, R.L., Stih C., Florescu M., Stirbescu R.M., Stanescu S.G., Nicolescu C.M., Bumbac M., Chemometrics based-vibrational spectroscopy for *Juglandis semen* extracts investigation, *Journal of Chemometrics*, 2020 IF= 1.847 DOI: 10.1002/cem.3234
3. Dulama I.D., Bucurica I.A., Teodorescu S., Stirbescu R.M., Margarit M., Radu V., **Radulescu C***, Caractérisation de pigments anciens découverts sur la carapace *Testudo Graeca* par méthodes analytiques non-invasives, *ARCHEOSCIENCES-Revue d'Archeometrie*, 43(2), 2020 IF= 1.292
4. **Radulescu C.**, Stih C., Ion R.-M., Dulama I.-D., Stanescu S.-G., Stirbescu R. M., Teodorescu S., Gurgu I.-V., Let D.-D., Olteanu L., Stirbescu N.-M., Bucurica I.-A., Olteanu R.-L., Nicolescu C.-M., Seasonal Variability in the Composition of Particulate Matter and the Microclimate in Cultural Heritage Areas, *Atmosphere*, 10(10), 595, 1-17, 2019 doi:10.3390/atmos10100595 IF = 2.046
5. David M., Serban A., **Radulescu C.**, Danet A.F., Florescu M., Bioelectrochemical evaluation of plant extracts with antioxidant capacity using gold nanozyme-based sensor, *Bioelectrochemistry*, 129, 124-134, 2019 IF= 4.474
6. Sister Serafima, Dului O.G., Manea M.-M., Vasilica S., **Radulescu C.**, Constantinescu B., Stan D., Culicov O.-A., Zincovscaia I., Complex Investigation of Five Russian-Lipovan 19th Century Icons, *Microchemical Journal*, 150, 104-126, 2019 IF=3.206
7. Malinovski V., Marin A., Andrei V., Coaca E., Mihailescu C. N., Lungu C.P., **Radulescu C.**, Dulama I.D., Obtaining and characterization of PEO layers prepared on CP-Ti in sodium dihydrogen phosphate dihydrate acidic electrolyte solution, *Surface and Coatings Technology*, 375, 621-636, 2019. IF=3.192
8. **Radulescu C.**, Olteanu R.L., Stih C., Florescu M., Lazarca D., Dulama I.D., Stirbescu R.M., Teodorescu S., Chemometric Assessment of Spectroscopic Techniques and Antioxidant Activity for Hippophae rhamnoides L. Extracts Obtained by Different Isolation Methods, *Analytical Letters*, 52(15), 2393-2415, 2019, IF= 1.248
9. Ion R.-M., Iancu L., Vasilevici G., Grigore M.E., Andrei R.E., Radu G.-I., Grigorescu R.M., Teodorescu S., Bucurica I.A., Ion M.-L., Gheboianu A.I., **Radulescu C***, Dulama I.D., Ion-Substituted Carbonated Hydroxyapatite Coatings for Model Stone Samples, *Coatings*, 9, Article Number: 231; 2019. doi:10.3390/coatings9040231, IF= 2.330
10. Pehoiu G., **Radulescu C***, Murarescu O., Dulama I.D., Bucurica I.A., Stirbescu R.M., Teodorescu S., Health risk assessment associated with abandoned copper and uranium mine tailings, *Bulletin of Environmental Contamination and Toxicology*, 102(4), 504-510, 2019 IF=1.650
11. Bintintan A., Gligor M., **Radulescu C***, Dulama I.D., Olteanu R.L., Stirbescu R.M., Teodorescu S., Bucurica I.A., Multielemental and Chemical Characterization of Eneolithic Petresti Painted Pottery from Alba Iulia-Lumea Noua archaeological site, Romania, *Analytical Letters*, 52(15), 2348-2364, 2019, IF= 1.248
12. Bintintan A., Gligor M., Dulama I.D., **Radulescu C***, Stih C., Ion R.M., Teodorescu S., Stirbescu R.M., Bucurica I.A., Pehoiu G., Analysis and Structural Investigations on Early Eneolithic Foeni Painted Pottery from Alba Iulia-Lumea Noua Archaeological Site, *Romanian Journal of Physics*, 64(5-6), Article Number: 903, 2019 IF =1.460
13. Buruleanu L., **Radulescu C***, Georgescu A.A., Nicolescu M.C., Olteanu R.L., Dulama I.D., Stanescu, G.S., Chemometric Assessment of the Interactions between the Metal Contents, Antioxidant Activity, Total Phenolics, and Flavonoids in Mushrooms, *Analytical Letters*, 52(8), 1195-1214, 2019, IF= 1.248
14. Ion R.M., Tincu S., Ion N., Bucurica I.A., Teodorescu S., Dulama I.D., Stirbescu R.M., Gheboianu A.I., **Radulescu C.**, Ion M.L., Iancu L., Grigorescu R.M., Archaeometric studies of mural paints from Matia Loggia (Corvins' Castle), *Romanian Report in Physics*, 71(3), Article Number: 804, 2019 IF =1.940
15. Bucurica I.A., **Radulescu C***, Poinescu A.A., Dulama I.D., Nicolescu C.M., Teodorescu S., Bumbac M., Pehoiu G., Murarescu O., Morphology and physico-chemical characteristics of an iron fragment from Chaco Province, *Romanian Journal of Physics*, 64(7-8), Article Number: 908, 2019 IF =1.460
16. **Radulescu C.**, I.A. Bucurica, P. Bretcan, D. Tanislav, I. D. Dulama, R.M. Stirbescu, S. Teodorescu, Complex Investigation of Unconsolidated Sediments of Romanian Plain Salt Lake, *Romanian Journal of Physics*, 64(3-4), Article Number: 809, 2019 IF =1.460
17. Stirbescu R.M, **Radulescu C***, Stih C., Dulama I. D., Bucurica I. A., Pehoiu G., Chelarescu E.D., Spatial distribution of heavy metals in urban soils, *Romanian Report in Physics*, 71(2), Article Number: 705, 2019 IF =1.940

18. Popa C., Bretcan P., **Radulescu C.**, Tanislav D., Dontu S.I., Dulama I.-D., Carstea E. M., Spatial distribution of groundwater quality in connection with the surrounding land use and anthropogenic activity in rural areas, *Acta Montanistica Slovaca*, 24(2), 73-87, 2019 IF = 0.938
19. Bucurica I. A., Popescu I. V., **Radulescu C.**, Cimpoa Gh. V., Dulama I. D., Teodorescu S., Gurgu I. V., Let D. D., Investigation of metallic nanoparticles adsorbed on the QCM sensor by SEM and AFM techniques, *Bulletin of Materials Science*, 41:71, 2018, IF = 1.264
20. Dunea D., Dinca N., **Radulescu C.***, Mihaescu C., Dulama I.D., Teodorescu S., The response of solar radiation bioconversion to dry matter accumulation and silage potential in Medicago Sativa L., *Romanian Journal of Physics*, 63(5-6), Article Number: 803, 2018 IF =1.460
21. Buruleanu L., **Radulescu C.***, Georgescu A.A., Danet A.F., Nicolescu M.C., Olteanu R.L., Dulama I.D., Statistical Characterization of the Phytochemical Characteristics of Edible Mushroom Extracts, *Analytical Letters*, 51(7), 1039-1059, 2018, IF= 1.248
22. Murarescu O., Pehoiu G., **Radulescu C.***, Dulama I.D., Teodorescu S., Stirbescu R.M., Muratoreanu G., Chemical Composition Assessment of Sulphurous Waters, *Revista de Chimie*, 69(5), 1073-1040, 2018, IF= 1.605
23. Manea I., Manea L., **Radulescu C.***, Dulama I.D., Teodorescu S., Stirbescu R.M., Bucurica I.A., Chelarescu E.D, Assessment of metals level in several meat products obtained through conventional and traditional methods, *Romanian Report in Physics*, 69(4), art. No. 711, 2017 IF =1.940
24. Georgescu A.A., Danet A.F., **Radulescu C.***, Stih C., Dulama I.D., Buruleanu C.L., Nutritional and Food Safety Aspects Related to the Consumption of Edible Mushrooms from Dambovita County in Correlation with their Levels of Some Essential and Non-essential Metals, *Revista de Chimie*, 68(10), 2402-2406, 2017 IF= 1.605
25. **Radulescu C.**, Stih C., Ilie M., Lazurca D., Gruia R., Olaru O., Bute O., Dulama I. D., Stirbescu R., Teodorescu S., Florescu M., Characterization of Phenolic Constituents of Lavandula Angustifolia, *Analytical Letters*, 50(17), 2839-2850, 2017, IF= 1.248
26. **Radulescu C.**, Stih C., Iordache S., Dunea D., Dulama I.D., Characterization of urban atmospheric PM2.5 by ATR-FTIR, ICP-MS and SEM-EDS techniques, *Revista de Chimie*, 68(4), 805-810, 2017, IF= 1.412.
27. **Radulescu C.**, Pohoata A., Bretcan P., Tanislav D., Stih C., Chelarescu E.D, Quantification of major ions in groundwaters using analytical techniques and statistical approaches, *Romanian Reports in Physics*, 69(2), 705-717, 2017 IF =1.940
28. Stih C., Frontasyeva M., Ene A., **Radulescu C.**, Popescu I.V., Dulama I.D., Characterization of Heavy Metal Air Pollution in Romania Using Moss Biomonitoring, Neutron Activation Analysis, and Atomic Absorption Spectrometry, *Analytical Letters*, 50(17), 2851-2858, 2017 FI=1.248
29. Chelarescu E.D., **Radulescu C.**, Stih C., Bretcan P., Tanislav D., Dulama I.D., Stirbescu R.M., Teodorescu S., Bucurica I.A., Andrei R., Morarescu C., Analysis of elements in lake sediment samples by PIXE spectrometry, *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms*, 406, Part A, 58-60, 2017, IF=1.109, AIS=0.426
30. Stih C., **Radulescu C.***, Dulama I.D., Bute O.C., Bucurica I.A., Characterization of Heavy Metals Atmospheric Deposition for Assessment of Environmental Quality in Urban and surrounding Areas, *Revista de Chimie*, 68(4), 802-804, 2017, IF= 1.412.
31. Iordache S, Dunea D, Ianache C., **Radulescu C.***, Dulama I.D., Investigation of heavy metals content in airborne particles from Ploiesti, Romania, *Revista de Chimie*, 68(4), 879-885, 2017, IF= 1.412.
32. Moater I.E., **Radulescu C.**, Ionita I., The spectrophotometric and tensiometric study of interaction between nonionic surfactants with acid dye, *Revista de Chimie* 68(5), 1010-1013, 2017 IF =1.605
33. Bintintan A., Gligor M., Dulama I.D., Teodorescu S., Stirbescu R. M., **Radulescu C.***, ATR-FTIR and SEM-EDS Analyses of Lumea Nouă Painted Pottery from Alba Iulia-Lumea Nouă Neolithic Site, *Revista de Chimie*, 68(4), 847-852, 2017, IF= 1.412.
34. Dulama I.D., **Radulescu C.***, Chelarescu E.D., Bucurica I.A, Teodorescu S., Stirbescu R.M, Gurgu I.V, Let D.D., Stirbescu N.M., Determination of heavy metal contents in surface water by Inductively Coupled Plasma – Mass Spectrometry: A case study of Ialomita River, Romania, *Romanian Journal of Physics*, 62(5-6), 807 – 815, 2017 IF =1.460
35. **Radulescu C.**, Bretcan P., Pohoata A., Tanislav D., Stirbescu R.M., Assessment of Drinking Water Quality Using Statistical Analysis: A Case Study, *Romanian Journal of Physics*, 61(9-10), 1604-1616, 2016 IF =1.460
36. Dunea D, Iordache S, Bohler T., Liu H.-Y., Pohoata A., **Radulescu C.**, Quantifying the Impact of PM2.5 and Associated Heavy Metals on Respiratory Health of Children near Metallurgical Facilities, *Environmental Science and Pollution Research*, 23, 15395–15406, 2016 IF= 2.800
37. Dunea D, Iordache S., **Radulescu C.**, Pohoata A., Dulama I.D., A Multidimensional approach to the influence of wind on the variations of particulate matter and associated heavy metals in Ploiesti City, Romania, *Romanian Journal of Physics*, 61(7-8), 1354–1368, 2016 IF =1.460
38. Georgescu A.A., Danet A., **Radulescu C.**, Stih C., Dulama I.D., Chelarescu E.D., Determination of several elements in edible mushrooms using ICP-MS, *Romanian Journal of Physics*, 61(5-6), 1087-1097, 2016, IF =1.460

39. **Radulescu C.**, Iordache S., Dunea D., Stih C., Dulama I.D., Risks assessment of heavy metals on public health associated with atmospheric exposure to PM_{2.5} in urban area, *Romanian Journal of Physics*, 60(9-10), 1171-1182, 2015. IF =1.460
40. **Radulescu C.**, Stih C., Dulama I.D., Chelarescu E.D., Bretcan P., Tanislav D., Assessment of heavy metal content in water and sediment of several salt lakes from Romania by atomic absorption spectrometry, *Romanian Journal of Physics*, 60(1-2), 246-256, 2015 IF =1.460
41. Chilian A., Bancuta O., Bancuta I., Setnescu R., Ion R.M., **Radulescu C.**, Setnescu T., Stih C., Gheboianu A., Chelarescu E.I., Study of the influence of Zn concentration on the absorption and transport of Fe in maize by AAS and EDXRF analysis techniques, *Romanian Reports in Physics*, 67(3), 1138-1151, 2015 FI=1.940
42. Chilian A., Bancuta O., Bancuta I., Ion R.M., Setnescu R., Setnescu T., Geboianu A., Marinescu V., **Radulescu C.**, Characterization of ZnO and SnO₂:F materials by SEM for their use in the manufacture of DSSC, *Rev. Roum. Chim.*, 60(5-6), 549-554, 2015 IF=0.5885
43. Poinescu A.A., **Radulescu C.**, Vasile B.S., Ionita I., Research Regarding Sol-gel Hydroxyapatite Coating on 316L Stainless Steel, *Revista de Chimie*, 65(10), 1245-1248, 2014. FI=1.605
44. **Radulescu C.**, Dulama I.D., Stih C., Ionita I., Chilian A., Necula C., Chelarescu E.D., Determination of heavy metal levels in water and therapeutic mud by atomic absorption spectrometry, *Romanian Journal of Physics*, 59(9-10), 1057–1066, 2014 IF =1.460
45. Ionita I., **Radulescu C.**, Stih C., Popescu I.V., Poinescu A., Bungez I, The behavior of underground power cables under the action of stress factors, *Romanian Journal of Physics*, 59(9-10), 1150–1159, 2014. IF =1.460
46. Barbes L., **Radulescu C.**, Stih C., ATR - FTIR spectrometry characterisation of polymeric materials, *Romanian Reports in Physics*, 66(3), 765–777, 2014 IF=1.940
47. Barbes L., Barbulescu A., **Radulescu C.**, Stih C., Chelarescu E.D., Determination of Heavy Metals in Leaves and Bark of Populus nigra L. by Atomic Absorption Spectrometry, *Romanian Reports in Physics*, 66(3), 877–886, 2014. IF =1.940
48. Dulama I.D., Popescu I.V., **Radulescu C.**, Stih C., Ionita I., Bucurica I.A., Chelarescu D.E., Nitescu O.V., Stirbescu R., Characterization of Olt River water quality using analytical methods, *Romanian Reports in Physics*, 65(4), 1519–1527, 2013. IF =1.940
49. **Radulescu C.**, Stih C., Popescu I.V., Dulama I.D., Chelarescu D.E., Chilian A., Heavy metal accumulation and translocation in different parts of Brassica oleracea L, *Romanian Journal of Physics*, 58(9-10), 1337-1357, 2013. IF =1.460
50. **Radulescu C.**, Stih C., Barbes L., Chilian A., Chelarescu E.D., Studies concerning heavy metals accumulation of Carduus nutans L. and Taraxacum officinale as potential soil bioindicator species, *Revista de Chimie* 64(7), 754-760, 2013. IF =1.605
51. Ionita I., Albu A.M., **Radulescu C.**, Synthesis and characterization of novel carbazole derivative for photorefractive materials, *Revista de Chimie*, 64(6), 612-619, 2013 IF =1.605
52. Stih C., **Radulescu C.**, Chelarescu E.D., Chilian A., Toma G.L., Characterisation of Nectar Honeys According to their Physicochemical Parameters and Mineral Content, *Revista de Chimie*, 64(8), 1000-1003, 2013. IF =1.605
53. **Radulescu C.**, Stih C., Popescu, I.V., Ionita, I., Dulama, I., Chilian A., Bancuta, O.R., Chelarescu, E.D., Let D., Assessment of heavy metals level in some perennial medicinal plants by Flame Atomic Absorption Spectrometry, *Romanian Reports in Physics*, 65(1), 246-260, 2013. IF =1.940
54. State G., Popescu I. V., **Radulescu C.**, Macris C., Stih C., Gheboianu A., Dulama I., Nitescu O., Comparative Studies of Metal Air Pollution by Atomic Spectrometry Techniques and Biomonitoring with Moss and Lichens, *Bull. Environ. Contam. Toxicol.*, 82(3), 580-586, 2012. IF = 1.650
55. Dulama I.D., Popescu I.V., Stih C., **Radulescu C.**, Cimpoca Gh.V., Toma L. G., Stirbescu R., Nitescu O., Studies on accumulation of heavy metals in Acacia leaf by EDXRF, *Romanian Report in Physics*, 64(4), 1063–1071, 2012 IF =1.940
56. Popescu I.V., Frontasyeva M., Stih C., Cimpoca Gh.V., **Radulescu C.**, State G., Gheboianu A., Oros C., Cilicov O., Bancuta I., Dulama I., Atomic and nuclear methods applied in the study of heavy polluting elements, *Romanian Reports in Physics*, 63, 1205-1214, 2011 IF =1.940
57. Stih C., **Radulescu C.**, Busuioc G., Popescu I.V., Gheboianu A., Ene A., Studies on Accumulation of Heavy Metals from Substrate to Edible Wild Mushrooms, *Romanian Journal of Physics*, 56(1-2), 257-264, 2011 IF =1.460
58. State G., Popescu V. I., Gheboianu A., **Radulescu C.**, Dulama I., Bancuta I., Stirbescu R., Identification of Air Pollution Elements in Lichens Used as Bioindicators, by the XRF and AAS Methods, *Romanian Journal of Physics*, 56(1-2), 233-239, 2011. IF =1.460
59. **Radulescu C.**, Stih C., Popescu I.V., Iordache S., Cationic dyes removal from textile wastewaters by using ecofriendly adsorbents, *Revista de Chimie*, 61(11), 1066-1070, 2010 IF =1.605
60. Lungu J., Oprea C.I., Dumbrava A., Enache I., Georgescu A., **Radulescu C.**, Ionita I., Cimpoca G.V., Gartu MA., Heterocyclic azodyes as pigments for dye sensitized solar cells - A combined experimental and theoretical study, *Journal of Optoelectronics and Advanced Materials*, 12(9), 1969-1975, 2010 IF =0.449

61. **Radulescu C**, Ionita I., Moater E.I., Gheboianu A., Studies concerning the photostabilization of cationic dyes derivatives of compact condensed systems with thiazolic ring applied on polyacrylic fibres by using UV absorber, *Industria Textilă*, 61(4), 168-175, 2010. IF =0.504
62. Popescu I.V., Frontasyeva M., Stih C., Cimpoa Gh.V., **Radulescu C**, Gheboianu A., Oros C., Vlaicu Gh., Petre C., Bancuta I., Dulama I.D., Nuclear and Nuclear Related Analytical Methods Applied in Environmental Research, *Romanian Journal of Physics*, 55(7-8), 821-829, 2010. IF =1.460
63. **Radulescu C**, Stih C., Busuioc G., Gheboianu A.I., Popescu I.V., Studies concerning heavy metals bioaccumulation of wild edible mushrooms from industrial area by using spectrometric techniques, *Bull. Environ. Contam. Toxicol.*, 84(5), 641-647, 2010. IF =1.412
64. **Radulescu C**, Stih C., Busuioc, G., Gheboianu, A.I., Popescu, I.V., Cimpoa, V.Gh., Evaluation of essential and heavy metal levels in fruiting bodies of wild mushrooms and their substrate by EDXRF spectrometry and FAA spectrometry, *Romanian Biotechnological Letters*, 15(4), 5444-5456, 2010. IF = 1.650
65. **Radulescu C**, Stih C., Biological activity of new heterocyclic systems containing thiazolic ring, *Revista de Chimie*, 60(11), 1164-1168, 2009. IF =1.605
66. Hossu A.M., Maria M.F., **Radulescu C**, Ilie M., Magearu V., TLC Applications on Separation and Quantification of Fat-Soluble Vitamins, *Romanian Biotechnological Letters*, 14(5), 4615-4619, 2009. IF =0.590
67. **Radulescu C**, Hossu A.M., Ionita I., Moater E.I., Synthesis and characterization of new cationic dyes for synthetic fibres, *Dyes and Pigments*, Elsevier, 76(2), p. 366-371, 2008. IF = 4.018
68. Moater E.I., Olteanu M., **Radulescu C**, Adsorbția complexilor surfactant neionic-colorant acid al interfața bumbac/apă, *Revista de Chimie*, 59(4), 422-425, 2008. IF =1.605
69. Ionita I., Albu A-M., **Radulescu C**, Moater E.I., Cimpoa V. Gh., Gîrtu M., The analytical control of some photochromic materials, *Journal of Optoelectronics and Advanced Materials*, 10(11), 2859-2863, 2008. FI=0.449
70. Moater I, Olteanu M, Cinteza O., **Radulescu C**, Ionita I., Adsorbția unor săruri de alchiloxietilen piridiniu la interfața solid-lichid, *Revista de Chimie*, 59(2), 168-172, 2008. FI=1.605
71. **Radulescu C**, Hossu A.M., Manea L., Tarabasanu-Mihaila C., Study concerning the protection of cationic dyes derivatives from heterocyclic system 2-aminothiazolo[4,5-f] indazole using UV protector 2-(2'-hidroxi-5-methyl-3-sulfopenil)-benzotriazole, *Revista de Chimie*, 58(10), 958-963, 2007. IF =1.605
72. Moater I.E., Olteanu M., Cintează O., **Radulescu C**, Ionita I., Adsorption of some alkyloxyethylene pyridinium chlorides at solid-water interface, *Revista de Chimie*, 58(6), 515-519, 2007. IF =1.605
73. **Radulescu C**, Hossu A.M., Ionita I., Disperse dyes derivatives from compact condensed system 2-aminothiazolo[5,4-c]pyridine. Synthesis and characterization, *Dyes and Pigments*, Elsevier, 71(2), 123 -129, 2006. IF = 4.018
74. **Radulescu C**, Hossu A.M., Ionita I., Synthesis of linear bis-thiazolo[2,3-d] [8,9-d]trans quinacridone, *Dyes and Pigments*, Elsevier, 65(2), 175-177, 2005. IF = 4.018
75. Hossu A.-M., **Radulescu C**, Ilie M., Badalau D., Magearu V., Qualitative and Semiquantitative TLC Analysis of Vitamins A, D and E, *Revista de Chimie*, 57(11), 1188-1189, 2006. IF =1.605
76. **Radulescu C**, Tarabasanu-Mihaila C., Cationic dyes derivatives from compact condensed system 2-aminothiazolo[5,4-f]indazole, *Revista de Chimie*, 57(10), 1034-1037, 2006. IF =1.605
77. Setnescu R., Ionita I., Setnescu T., **Radulescu C**, Hossu, A.M., Studiul comportării termooxidative a unor materiale fotocromice, *Revista Materiale Plastice*, 43(1), 1-5, 2006. IF =1.393
78. Moater I.E., Olteanu M., **Radulescu C**, Ionita I., Hossu A.M., Adsorbția surfactanților cationici la interfața bumbac/apă, *Revista de Chimie*, 57(2), 143-147, 2006. FI=1.605
79. Ionita I., Tarabasanu-Mihaila C., Rusen E., **Radulescu C**, Hossu A.M., Moater I.E., Studii preliminare în vederea obținerii și caracterizării polimerilor cu substituenți azoici, *Revista Materiale Plastice*, 42(3), 196-199, 2005. IF =1.393
80. Moater I.E., Olteanu M., **Radulescu C**, Ionita I., Adsorption of alkyl polyglucosides non-ionic surfactant on cotton, *Revista de Chimie*, 56(11), 1160-1163, 2005. IF =1.605
81. Moater I.E., Olteanu M., Ionita I., **Radulescu C**, Studiul interacției surfactanților neionici de tipul alchilpoliglucozidelor cu coloranți acizi, *Revista de Chimie*, 56(10), 1048-1051, 2005. IF =1.605
82. **Radulescu C**, Hossu A.M., New alkylated diquinoxaline-piperazine dicarboxylic acids obtained by synthesis, *Revista de Chimie*, 56(7), 742-745, 2005. IF =1.605
83. **Radulescu C**, Tarabasanu-Mihaila C., Hossu A.M., Ionita I., The comparative study on the synthesis methods of heterocyclic system 2-aminothiazolo[4,5-b]pyridine, *Revista de Chimie*, 56(6), 659-662, 2005. IF =1.605
84. **Radulescu C**, Synthesis and characteristics of diquinoxaline [2,3-b][2,3-e]piperazine-6,6'-dicarboxylic acid and diquinoxaline[2,3-b][2,3-e]piperazine-6,7'-dicarboxylic acid, *Revista de Chimie*, 56(2), 151-154, 2005. IF =1.605
85. **Radulescu C**, Tarabasanu-Mihaila C., Hossu A.M., Ionita I., Synthesis and characterization of some cationic dyes derivatives of compact condensed system 2-aminothiazolo[4,5-f] indazole, *Revista de Chimie*, 55(12), 1006-1008, 2004. IF =1.605
86. Hossu A.M., **Radulescu C**, Ionita I., Magearu V., Determinarea vitaminei D din produsele farmaceutice prin cromatografia de lichide de înalta performanță, *Revista de Chimie*, 55(10), 788-790, 2004. IF =1.605

87. **Radulescu C**, Tarabasanu-Mihaila C., Hossu A.M., Ionita I., Synthesis and characteristics of compact condensed system 2-aminothiazolo[5,4-c]pyridine, *Revista de Chimie*, 55(11), 889-893, 2004. IF =1.605
88. **Radulescu C**, Constantinescu G.C., Heteropolysalts of organic bases, *Revista de Chimie*, 55(4), 269-272, 2004. IF =1.605
89. **Radulescu C**, Tarabasanu-Mihaila C., Coloranti derivați ai sistemului heterociclic compact condensat 2-aminotiazolo[4,5-b]piridina, *Revista de Chimie*, 55(2), 102-105, 2004. IF =1.605
90. **Radulescu C**, Tarabasanu-Mihaila C., Cationic dyes derivatives of compact condensed system 2-aminothiazolo[4,5-b]quinoxaline-6-carboxylic acid, *Revista de Chimie*, 55(1), 25-30, 2004. IF =1.605
91. **Radulescu C**, Pharmacodynamic aspects of cationic dyes derivatives of compact condensed systems, *Revista de Chimie*, 54(12), 986-989, 2003. IF =1.605
92. Dulama I.D., Popescu I.V., Cimpoca Gh.V., **Radulescu C**, Bucurica I.A., Let D., Ionita I., Quartz crystal microbalance used for determination of dyes from wastewaters, International Semiconductor Conference (CAS), 36rd Edition, October, Sinaia, vol.1&2, p. 107, 2013; doi:10.1109/SMICND.2013.6688103
93. Ionita I., Albu A.-M., **Radulescu C**, Dulama I.D., Gavrilă I., The effects of UV irradiation in azo-derivatives, Proc. SPIE 8411, Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies VI, 84111J (Nov. 1, 2012), doi:10.1117/12.964412 <http://proceedings.spiedigitallibrary.org/proceeding.aspx?articleid=1483144>
94. Stihî C., Gheboianu A., **Radulescu C**, Popescu V. I., Busuioc G., Bancuța I. Studies concerning the accumulation of minerals and heavy metals in fruiting bodies of wild mushrooms, PHYSICS CONFERENCE TIM-10 AIP Conference Proceedings, 1387, 282-287, 2011 doi:<http://dx.doi.org/10.1063/1.3647088>
95. Cimpoca G.V., **Radulescu C**, Dulama I.D., Popescu I.V., Stihî C., Gheboianu A., Bancuța I., Ionita I., Cimpoca M., Cernica I., Monitoring of the Drinking Water Quality Using Alternative Analytical Techniques, AIP Conference Proceedings, 1203, 409-414, 2009 ISBN 978-0-7354-0740-4 ISSN 1551-7616 <http://proceedings.aip.org/proceedings/confproceed/1203.jsp>.
96. Cimpoca G.V., **Radulescu C**, Dulama I.D., Popescu I.V., Gheboianu A., Bancuța I., Cimpoca M., Cernica I., Staicu L., Quartz Crystal Microbalance (QCM): An Alternative Analytical Method for Investigation of Real-Time of Liquid Properties, AIP Proceedings, 1203, 160-165, 2009, ISBN 978-0-7354-0740-4 ISSN 1551-7616 <http://proceedings.aip.org/proceedings/confproceed/1203.jsp>.
97. Cimpoca G.V., **Radulescu C**, Popescu I.V., Dulama I.D., Ionita I., Cimpoca M., Cernica I., Gavrilă R., QCM Real-Time Sensor for Monitoring of Poisonous Cyanide from Drinking Water and Environmental, AIP Conference Proceedings, 1203, 415-420, 2009, ISBN 978-0-7354-0740-4 ISSN 1551-7616 <http://proceedings.aip.org/proceedings/confproceed/1203.jsp>.
98. Ionita I., Albu A.M., Tarabasanu-Mihaila C., **Radulescu C**, Moater I.E., Synthesis and characterization of photochromic polymeric materials, SPIE, vol. 7297, 72970Q-72970Q-5, 2009.
99. Cimpoca G.V., Popescu I.V., Dulama I.D., **Radulescu C**, Bancuța I., Cimpoca M., Cernica I., Schiopu V., Danila M., Gavrilă R., Self assembled monolayer of ethanethiol on gold surfaces by Quartz Crystal Microbalance, IEEE Journal – Proceedings, CAS 2009 International, Semiconductor Conference 2009, 32nd Edition, October 12-14, Sinaia, Romania, vol. 1, IEEE Catalog Number: CFP0(CAS-PRT, 135-138, ISBN 978-1-4244-4413-7, ISSN 1545-827X, doi 10.1109/SMICND.2009.5336590
100. **Radulescu C**., Stihî C., Popescu I. V., Variticeanu B., Telipan G., Bumbac M., Dulama I. D., Bucurica I. A., Stirbescu R., Teodorescu S., ICP-MS and SEM-EDS investigations of insulating materials used in electrical machines, *Journal of Science and Arts* 1(34), 77-84, 2016
101. Ionita I., **Radulescu C**., Poinescu A. A., Anghelina F. V., Bunghez R., Ion R.-M., The azobenzene derivatives, Proc. SPIE 9258, Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies VII, 92580D (February 21, 2015); doi:10.1117/12.2069480
102. Florescu M., Stihî C., **Radulescu C**., Dulama I.D., Bute O.C., Stirbescu R.M., Teodorescu S., Serban A., Mineral composition of *Lavandula Angustifolia* flowers and *Hippophae Rhamnoides* fruits extracts, *Journal of Science and Arts*, 4(41), 789-794, 2017.
103. Dulama I.D., **Radulescu C**., Bucurica I.A., Teodorescu S., Stirbescu R.M., Cimpoca Gh.V., Let D.D., Gurgu I.V., Quartz Crystal Microbalance used as Sensor for Pesticides Detection, *Journal of Science and Arts* 2(43), 445-452, 2018.
104. Ion, R.M., Iancu L., Grigorescu R.M. Tincu S., Vasilievici G., Ion N., Bucurica I.A., Teodorescu S., Dulama I.D., Stirbescu R.M., **Radulescu C**., Ion M.L., Arhaometric Investigations on Ceramic Materials from Hunedoara – The Court Area, *Journal of Science and Arts* 2(43), 471-480, 2018.
105. Meret (Lupu) R., Dulama I.D., **Radulescu C***, Bucurica I.A., Stirbescu R.M., Teodorescu S., Physico-chemical characterization of therapeutic muds from Brasov County, *Journal of Science and Arts* 4(45), 1033-1044, 2018.
106. Andrei V. A., Malinovschi V., **Radulescu C***, Ionita I., Torok G., Coaca E., Marin A. H., Bokuchava G., Applications of Plasma Electrolytic Saturation Technique in the Field of Nuclear Materials, *Journal of Science and Arts* 1(46), 185-194, 2019.
107. Nicolescu C. M., Bumbac M., Olteanu R.L., Alecu (Holban) G.-C., Boboaca-Mihaescu D.-N., Necula C., **Radulescu C**., Influence of Extraction Method on Chemical Composition from Red Grapes Skin Extract, *Journal of Science and Arts* 1(46), 201-208, 2019.
108. Ion, R.M., Tincu, S., Iancu, L., Grigorescu, R.M., **Radulescu C**., Teodorescu, S., Dulama, I.D., Stirbescu, R.M., Bucurica, I.A., Minca, I., Ion, M.L., Gheboianu, A.I., Investigations of the new gate tower from Corvins'

Castle, IOP Conference Series: Materials Science and Engineering, 2019 International Conference on Innovative Research, ICIR EUROINVENT 2019, 572(1), Article no 012088, 2019; ISSN: 17578981; DOI: 10.1088/1757-899X/572/1/012088

109. Tanase M.N., Barboiu A.G., Popescu I.V., **Radulescu C***, Bucurica I.A., Dulama I.D., Vasile I., Health risk assessment of heavy metals in drinking waters, *Journal of Science and Arts*, 1(50), 187-196, 2020

***Corresponding Author**

BDI Articles

110. **Radulescu C.**, Sidor A., Stirbu C., Studies concerning the ecological reconstruction of soil in order to ensure a sustainable rural development, *Journal of Science and Arts*, 24(3), 287-302, 2013.
111. **Radulescu C.**, Stihl C., Popescu I.V., Toma L.G., Chelarescu D.E., Stirbescu R., Assessment of heavy metals content of crude oil contaminated soil, *Journal of Science and Arts*, 21(4), 459-468, 2012.
112. Dulama I. D., Popescu I. V. Cimpoa Gh. V., **Radulescu C.**, Bucurica I.A., Bancuta I., Quartz Crystal Microbalance: Nano-Sensor for Cyanide Detection, *Journal of Science and Arts*, 19(2), 201-206, 2012.
113. **Radulescu C.**, Stihl C., Cimpoa Gh. V., Popescu I.V., Busuioc G., Gheboianu A.I., Détermination des métaux lourds dans les champignons par digestion assistée par micro-ondes et spectrométrie d'absorption atomique avec atomisation par flamme, *Scientific Study & Research*, 12(2), 155-164, 2011 ISSN 1582-540X
114. Moater E.I., **Radulescu C.**, Ionita I., Isothermes de liaison surfactant – protéines, *Scientific Study & Research*, 12(4), 429-433, 2011 ISSN 1582-540X
115. Ionita I., Albu A.M., **Radulescu C.**, Moater E.I., Des nouveutes ands la synthese et caracterisation des materiaux electro - optiques a base de polymeres avec des sequences carbazoleique, *Scientific Study & Research*, 12(2), 101-114, 2011 ISSN 1582-540X
116. Stihl C., Busuioc G., **Radulescu C.**, Elekes C.C., Ciulei C., Determination of Fe and Zn Accumulation in Leafy Vegetables and Mushrooms Using Energy Dispersive X-Ray Fluorescence Technique, *Bulletin UASVM Agriculture*, 68(2), 143-147, 2011 ISSN 1843-5246
117. **Radulescu C.**, Stihl C., Popescu I.V., Nitescu V.O., Gheboianu A.I., Cimpoa Gh. V., Dulama I.D., Chilian A., Bucurica A., Bancuta O.R., Analysis of Wastewater From Ecological Car Wash – A Case Study, *Journal of Science and Arts*, vol. 15(2), 193-200, 2011
118. Nitescu V.O., Popescu I.V., **Radulescu C.**, Stihl C., Gheboianu A.I., Dulama I.D., Evaluation Of Potop River Quality I. Preliminary Investigation and Risk Assessment of Polluted Degree, *Journal of Science and Arts*, vol. 15(2), 207-216, 2011 ISSN 1844-9581
119. Chilian A., Popescu I. V., **Radulescu C.**, Cimpoa Gh. V., Bancuta R., Bancuta I., Gheboianu A., Effect of Zinc Supplementetation on Growth, Biochemical Process and Yield in Zea Mays, *Journal of Science and Arts*, vol. 17(4), 471-486, 2011 ISSN 1844-9581
120. Dulama I.D., Popescu I.V., Cimpoa Gh.V., **Radulescu C.**, Gheboianu A.I., Detection of Aflatoxin using Quartz Crystal Microbalance, *Journal of Science and Arts*, vol. 13(2), 341-344, 2010.
121. Busuioc G., Elekes C.C., **Radulescu C.**, Gheboianu A.I., Petrescu N., Serdin B., The Influence of some heavy metals content of substrate and pH on bioabsorption level at six macromycetes species common in southern forest of Romania, *Buletin USAMV, Agriculture*, 67(2), p. 18-25, 2010 ISSN 1843-5246
122. **Radulescu C.**, Stihl C., Popescu I.V., Busuioc G., Gheboianu A.I., Cimpoa Gh. V., Dulama I.D., Diaconescu M., Determination of heavy metals content in wild mushrooms and soil by EDXRF and FAAS techniques, *Ovidius University Annals of Chemistry*, 21(1), 9-14, 2010 ISSN–1223-7221
123. Ionita I., Albu A.-M., **Radulescu C.**, Moater E. I., The intersection synthesis for the photochromic materials by polymeric type, *Journal of Science and Arts*, 12(1), 83-88, 2010 ISSN 1844-9581
124. Ene A., Popescu I. V., Stihl C., Gheboianu A., **Radulescu C.**, Tigau N., Gosav S., Assessment of river water quality in central and eastern parts of Romania using atomic and optical methods, *Journal of Science and Arts*, 12(1), 113-118, 2010
125. State G., Popescu I. V., Gheboianu A., **Radulescu C.**, Dulama I., Bancuta I., Stirbescu R., Lichens as biomonitors of heavy metal air pollution in the Târgoviște area, *Journal of Science and Arts*, 12(1), 119-124, 2010 ISSN 1844-9581
126. **Radulescu C.**, Ionita I., Albu A.M., Cimpoa Gh. V., Popescu I.V., Dulama I.D., Moater E. I., Stihl C., A Quartz Cristal Microbalance for the Characterization of new Photochromic Material, *Journal of Science and Arts*, 11(2), 292-298, 2009 ISSN 1844-9581
127. Popescu I.V., Frontasyeva M., Stihl C., Cimpoa Gh. V., **Radulescu, C.**, Gheboianu A., Oros C., Vlaicu Gh., Bancuta I., Dulama I.D., Analysis of Cr, Fe, Mn, Ni and Zn from Mosses by NAA, AAS and ICP-AES Methods, *Journal of Science and Arts*, 11(2), 268-277, 2009
128. **Radulescu C.**, Ionita I., Moater E. I., Stihl C., Decolorization of textile wastewater containing green cationic dye by AOPs, *Ovidius University Annals of Chemistry*, 20(1), 66-71, 2009 ISSN–1223-7221
129. Ionita I., Albu A.-M., **Radulescu C.**, Moater E. I., The UV-Vis Characterization of Azo Dye by Irradiation, *Journal of Science and Arts*, 9(1), 83-89, 2009 ISSN 1844-9581
130. Moater E. I., **Radulescu C.**, Ionita I., Etude d'interaction parmi les surfactants cationiques et polymères, *Scientific Study & Research- Chemistry & Chemical Engineering, Biotechnology, Food Industry*, 10(2) 2009 ISSN 1582-540X

131. Ionita I., Albu A.-M., **Radulescu C.**, Moater E. I., Phénomènes et mécanismes photoinduit dans les matériaux photochromiques, Scientific Study & Research- Chemistry & Chemical Engineering, Biotechnology, Food Industry, 10(1), 1-11, 2009 ISSN 1582-540X
132. Popescu I. V., Frontasyeva M., Stih C., Cimpoa Gh. V., **Radulescu C.**, Gheboianu A., Oros C., Vlaicu Gh., Bancuta I., Dulama I., Atomic and nuclear analytical methods and biomonitoring technique applied in environmental research, Annals. Food Science and Technology, 10(1), 252-256, 2009.
133. **Radulescu C.**, Ionita I., Moater E.-I., The monitoring and degradation of some organic pollutants from waste waters resulted from textile industry, Eurasian Journal of Analytical Chemistry, EJAC, vol. 3 special issue, 151-169, 2008 ISSN 1306-3057
134. Moater E.-I., **Radulescu C.**, Hossu A.-M., Ionita I., The absorption study of cationic surfactants in presence of dyes on the cotton/water interface, Eurasian Journal of Analytical Chemistry, EJAC, vol. 3 special issue, 113-122, 2008 ISSN 1306-3057
135. **Radulescu C.**, Ionita I., Moater E. I., Stih C., Systèmes compacts condensées thiazole – pyridiniques avec activité biologique, Scientific Study & Research, 9(2), 243-258, 2008 ISSN 1582-540X
136. Hossu A.-M., **Radulescu C.**, Ilie M., Ionita I., Moater E. I., Applications of Thin Layer Chromatography (TLC) to the separation and quantification of the vitamins D, Scientific Study & Research, 9(3), 303-308, 2008 ISSN 1582-540X
137. **Radulescu C.**, Hossu A.-M., Ionita I., Moater E.-I., Stih C., Environmental impact of waste waters containing organic pollutants from textile industry, Bulletin of the Transilvania University of Brasov, 4, 571-580, 2007 ISSN 1223-9631
138. Stih C., Popescu I.V., Gheboianu A., Frontasyeva M., Culicov O., Busuioc G., Constantinescu O., Gugiu M., **Radulescu C.**, Environmental Monitoring using bioindicators and atomic and nuclear techniques, Bulletin of the Transilvania University of Brasov, 4, 747-751, 2007 ISSN 1223-9631
139. **Radulescu C.**, Hossu A.-M., Ionita I., Dyeing alternatives of textile fibres with new disperse and cationic dyes derivatives of compact condensed system 2-aminothiazolo[4,5-f]indazole, Annals of Valahia University, section – Sciences, 17, 55-60, 2007 ISSN 1584-5567
140. **Radulescu C.**, Hossu, A.-M., Ionita, I., Grigorescu, E.V., Melana fibres photostabilization by using UV absorber from benzotriazolic class, Annals of Valahia University, section – Sciences, 17, 61-66, 2007 ISSN 1584-5567
141. Ionita I., **Radulescu C.**, Hossu A.M., The photochromic response of polymers structures modified with classical azo dyes, Annals of Valahia University, section – Sciences, 17, 51-54, 2007 ISSN 1584-5567
142. Hossu A.-M., **Radulescu C.**, Ionita I., Moater E. I., Hossu D., Qualitative and semiquantitative TLC analysis of vitamin D2, Annals of Valahia University, section – Sciences, 17, 47-50, 2007 ISSN 1584-5567
143. **Radulescu C.**, Moater E. I., Hossu A.M., Ionita I., Monitoring des polluants des eaux résiduelles résultant du processus de teinture des fibres synthétiques, Scientific Study & Research, VII(2), 415-427, 2006 ISSN 1582-540X
144. **Radulescu C.**, Moater, E. I., Hossu, A.M., Ionita, I., Étude comparative des méthodes de synthèse pour les systèmes compact condensés avec un cycle thiazolo-indazolique, Scientific Study & Research- Chemistry & Chemical Engineering, Biotechnology, Food Industry, VII(1), 65-78, 2006 ISSN 1582-540X
145. Moater E. I., **Radulescu C.**, Ionita I., Hossu A.-M., Adsorption compétitive parmi surfactants et bleu de méthylène à interface coton/eau, Scientific Study & Research- Chemistry & Chemical Engineering, Biotechnology, Food Industry, VII(4), 857-864 2006 ISSN 1582-540X
146. Moater E.I., **Radulescu C.**, Hossu A.M., Ionita I., Etude d'adsorption de chlorure de hexadécilpyridinium en présence de bleu de méthylène à interface coton/eau, Scientific Study & Research- Chemistry & Chemical Engineering, Biotechnology, Food Industry, VII(3), 2006 ISSN 1582-540X
147. Ionita I., Albu A.-M., **Radulescu C.**, Hossu A.-M., Moater E.I., Domaines des applications des matériaux photochromiques, Scientific Study & Research- Chemistry & Chemical Engineering, Biotechnology, Food Industry, VII(1), 183-192, 2006 ISSN 1582-540X
148. Hossu A.-M., **Radulescu C.**, Ionita I., Moater E.-I., Détermination chromatographiques, spectrophotométriques et titrimétriques de vitamine C dans pharmaceutiques, Scientific Study & Research, VII(1), 233-238, 2006 ISSN 1582-540X
149. Hossu A.-M., **Radulescu C.**, Moater E.-I., Ionita I., Méthodes spectrophotométriques et chromatographiques pour la détermination de la Vitamine C, Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry, VII(1), 225-232, 2006 ISSN 1582-540X
150. **Radulescu C.**, Ionita I., Hossu A.M., Moater E. I., Kinetics of dyeing of synthetic fibres by disperse dyes derivatives from heterocyclic system 2-aminothiazolo[4,5-f] indazole, Ovidius University Annals of Chemistry, XVII, 2006 135-138 ISSN–1223-7221
151. Ionita I., Albu A.M., **Radulescu C.**, Hossu A.M., Moater E. I., Dyes with potential application in photochromic materials, Ovidius University Annals of Chemistry, XVII, 2006 130-134 ISSN–1223-7221
152. Ionita I., **Radulescu C.**, Hossu A.M., Moater E. I., Intermediares used for synthesis of some azo photochromic dyes, Annals of Valahia University, section – Sciences, 16, 62-64, 2006, Târgoviște ISSN 1584-5567
153. Hossu A.M., **Radulescu C.**, Ionita I., Moater E.I., Hossu D., Stability analysis of vitamin E in pharmaceutical products, Annals of Valahia University, section – Sciences, 16, 60-62, 2006, Târgoviște ISSN 1584-5567

154. Moater E.I., **Radulescu C.**, Ionita I., Hossu A.M., Adsorption of non-ionic surfactant at solid-water, Annals of Valahia University, section – Sciences, 16, 72-74, 2006, ISSN 1584-5567
155. **Radulescu C.**, Ionita I., Moater E.I., Hossu A.M., Kinetics study of dyeing process of synthetic fibres with disperse dyes, Annals of Valahia University, section – Sciences, 16, 75-77, 2006, ISSN 1584-5567
156. **Radulescu C.**, Ionita I., Hossu A.M., Tarabasanu-Mihaila C., Moater E. I., Disperse dyes derivatives of compact condensed system 2-aminothiazolo[4,5-f]indazole. Synthesis and characterization, Ovidius University Annals of Chemistry, XVI(2), 221-227, 2005 ISSN–1223-7221
157. Hossu A.M., **Radulescu C.**, Ionita I., Hossu D., The influence of the temperature on the stability analysis of vitamin E in pharmaceutical products, Ovidius University Annals of Chemistry, XVI(2), 218-220, 2005 ISSN–1223-7221
158. Ionita I., Albu A.M., Tarabasanu-Mihaila C., **Radulescu C.**, Hossu A.M., The determination of sin-anti isomerisation rate of some photochromic materials by UV measurements, Buletinul Universitatii Petrol- Gaze Ploiești, LVII(2), seria Tehnica, 146-151, 2005, ISSN 1221-9371
159. Ionita I., Albu A.M., Tarabasanu-Mihaila C., **Radulescu C.**, Hossu A.M., The Chemical grafting of some photochromic sequences on polymeric structures, Buletinul Universitatii Petrol- Gaze Ploiesti, LVII(2), seria Tehnica, 140-145, 2005 ISSN 1221-9371
160. **Radulescu C.**, Hossu A.M., Ionita I., Green pigments derivatives from heterocyclic diquinoxaline-piperazine systems, Annals of Valahia University, section – Sciences, 15, 38-44, 2005 ISSN 1584-5567
161. Hossu D., Hossu A.-M., Bădeanu-Toma M., **Radulescu C.**, Ionita I., HPLC in determination of D vitamins from pharmaceutical preparation, The Annals of Valahia University, section – Sciences, 15, 45-48, 2005 ISSN 1584-5567
162. Ionita, I., **Radulescu C.**, Hossu, A.M., The characteristics of synthesized chromophores for photochromic materials, Annals of Valahia University, section – Sciences, 15, 49-53, 2005 ISSN 1584-5567
163. **Radulescu C.**, Buruleanu L., Pharmacodynamic aspects of some compact condensed systems with thiazolic ring obtained by synthesis, Annals of Valahia University – sectiunea Tehnologia Produselor Alimentare, Pescuit și Acvacultura, Fascicula V, 2004, 51-55 ISSN 1453-8202
164. **Radulescu C.**, Ionita I., Hossu A.M., Some methods for synthesis of compact condensed system 2-aminothiazolo[4,5-f]indazole synthesis, Ovidius University Annals of Chemistry, vol. XV, 66-71, 2004 ISSN–1223-7221
165. **Radulescu C.**, Ionita I., Hossu A.M., Tarabasanu-Mihaila C., Magearu V., The separation and purification of new compact condensed systems with thiazolic ring by HPLC, Analele Universității București-Chimie, Anul XIII (serie nouă), vol I-II, 95-103, 2004 ISSN 1220-871X
166. **Radulescu C.**, Tarabasanu-Mihaila C., Ionita I., Irimescu L., New compact condensed systems thiazolo-quinoxaline, Ovidius University Annals of Chemistry, vol. XIV, 113-117, 2003, ISSN 1223-7221
167. Ionita I., Tarabasanu-Mihaila C., **Radulescu C.**, Azo dyes with photochromic properties, Ovidius University Annals of Chemistry, vol XIV, 118-121, 2003 ISSN–1223-7221
168. **Radulescu C.**, Hossu A.M., Ionita I., Synthesis and characterization of compact condensed system 2-aminothiazolo[5,4-f]indazole, The Annals of Valahia University, section – Sciences, 13, 70-76, 2003 ISSN 1584-5567
169. Ionita I., **Radulescu C.**, Hossu A.M., Azoic dyes derivatives of phenyl-amino-methylsulfonic acid Annals of Valahia University, section – Sciences, 13, 67-69, 2003 ISSN 1584-5567
170. Hossu A.M., **Radulescu C.**, Ionita I., Stability analysis of vitamin A in pharmaceutical products, Annals of Valahia University, section – Sciences, 13, 64-66, 2003 ISSN 1584-5567
171. **Radulescu C.**, Constantinescu G.C., Engrais retardes sur polymers biodégradable, Annals of Valahia University, section: Fundamental Science, 12, 70-73, 2002 ISSN 1584-5567

Proceedings Paper

172. Ion R M, Tincu S, Iancu L, Grigorescu R M, **Radulescu C.**, Teodorescu S, Dulama I D, Stirbescu R M, Bucurica I A, Minca I, Ion M L, Gheboianu A I, Investigations of the new gate tower from Corvins' Castle, International Conference on Innovative Research - ICIR EUROINVENT 2019, IOP Conf. Series: Materials Science and Engineering, 572 (2019) 012088, IOP Publishing doi:10.1088/1757-899X/572/1/012088
173. Ene A., Stihî C, Popescu I.V., Bosneaga A., **Radulescu C.**, Gheboianu A., XRF-AAS Analysis of Heavy Metals in Soil around of a Ferrous Metallurgical Plant in Eastern part of Romania, ISSN-18 Proceedings, 18th International Seminar on Interaction of Neutrons with Nuclei: „Fundamental Interaction and Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics”, Dubna, Rusia, p. 360-366, 2011.
174. Popescu I.V., I. Cucui, Stihî C., **Radulescu C.**, Gheboianu A., Busuioc G., Oros C., Heavy Metal Determination in Environmental Samples by Atomic Methods, AAS and EDXRF, IV th Congress of the Academy of Romanian Scientists, “Quality of Life”, Proceedings, October 15-17, 2009, Timisoara, Romania, Ed. Orizonturi Univeristare Timisoara, p. 429-436, 2009 ISBN 978-973-638-410-3
175. **Radulescu C.**, I. Ionita, V. Gh. Cimpoca, A. M. Albu, I. V. Popescu, I. D. Dulama, A Quartz Crystal Microbalance Method for the Characterization of New Photochromic Material, 5th Black Sea Basin Conference on Analytical Chemistry-Proceedings, 23th - 26th 2009, Fatsa, Turkey PPII-21(Ab 187), p. 135-139

176. **Radulescu C.**, I. Ionita, V. Gh. Cimpoca, A. M. Albu, I. V. Popescu, E. I. Moater, Stih C., A. I. Gheboianu, Cationic Dyes Removal from Textile Wastewaters by Using Ecofriendly Adsorbents, 5th Black Sea Basin Conference on Analytical Chemistry-Proceedings, 23th - 26th 2009, Fatsa, Turkey, PPI-36(Ab186), p.83-88
177. Albu, A.-M. Ionita, I., **Radulescu C.**, Stanciu D. N., Novel carbazole derivates, The 5th Colloquium "Mathematics In Engineering and Numerical Physics" (Menp-5) Part 2: "Numerical Physics and Complexity", The First Colloquium on "Physics of Materials" (PM-1), University "Politehnica" of Bucharest, October 9 and 11, 2008, lucrare publicata in Proceedings, vol. Conferintei, Ed. Printech, Bucuresti, 2008
178. Ionita I., Albu A.-M., Tărăbășanu Mihăilă C., **Radulescu C.**, Moater E.M., Synthesis and characterization of photochromic polymeric materials, The 4th edition of the International Conference "Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies" ATOM-N 2008, Constanta, Romania, lucrare publicată in Proceedings, vol. Conferintei, Ed. Matrix-Rom, Bucuresti ISBN 978-973-755-387-4
179. Popescu, I.V., Stih C., A. Gheboianu, **Radulescu C.**, M. Belc ,M. Frontasyeva, O. Culicov, Atomic Absorption Spectrometry and Neutron Activation Analysis Methods applied in environmental studies using mosses as bioindicators, ISINN-16, 16th International Seminar on Interaction of Neutrons with Nuclei: „Fundamental Interaction and Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics”-Proceedings, Dubna Rusia, 2008
180. **Radulescu C.**, Hossu, A-M., Moater, E-I, Ionita, I., Treatment of blue cationic dyes from textile waste waters using advanced oxidation processes, 1st International Conference, Environmental-Natural Sciences-Food Industry in European Context, ENSFI 2007- Proceedings, Baia Mare, România, 2007, 101-106 ISBN 978-973-1729-39-8
181. Moater E. I., **Radulescu C.**, Ionita I., Hossu A.-M., The adsorption study of alkyl polyglucosides non-ionic surfactants in presence of dyes on the cotton/water interface, 1st International Conference, Environmental-Natural Sciences-Food Industry in European Context, ENSFI 2007-Proceedings Baia Mare, România, 2007, p. 147-151 ISBN 978-973-1729-39-8
182. Ionita I., **Radulescu C.**, Moater E. I., Hossu A.-M., The UV/VIS spectrophotometric characterization of some azo dyes, 1st International Conference, Environmental-Natural Sciences-Food Industry in European Context, ENSFI 2007 Proceedings Baia Mare, România, 2007 137-140 ISBN 978-973-1729-39-8
183. Hossu A.-M., **Radulescu C.**, Ilie M., Ionita I., Moater E.-I., The quantification of vitamin a from pharmaceuticals by UV/VIS spectrophotometry and fluorescence, 1st International Conference, Environmental-Natural Sciences-Food Industry in European Context, ENSFI 2007-Proceedings Baia Mare, România, 2007, 160-165 ISBN 978-973-1729-39-8
184. **Radulescu C.**, Hossu, A-M., Ionita, I., Moater, E-I., The impact concerning the environment of pollutants of wastewaters resulted from dyeing process of synthetic fibres, International Conference ROMPHYSICHEM-12, 2006, p. 229-230 București
185. Hossu, A.M., Ilie, M., **Radulescu C.**, Thin layer chromatography analysis of pharmaceutical preparation containing vitamins A, D and E, International Symposium for High Performance Thin-Layer Chromatography, Proceedings, 2006, 98-104 Berlin, Germany
186. **Radulescu C.**, Ionita, I., Hossu, A.M., Synthèse de systèmes compacts condensés avec un cycle thiazolique, Le Troisième Colloque Franco-Roumain De Chimie Appliquee, 2004, 117-120, Slănic-Moldova, Bacău ISBN 973-8392-36-5 ISBN 9975-63-183-5 (Chișinău)
187. **Radulescu C.**, Hossu, A.M., Ionita, I., Aspects pharmacologiques de nouveau systèmes compact condensés avec un cycle thiazolique, Le Troisième Colloque Franco-roumain De Chimie Appliquée, 2004, 121-124, Slănic-Moldova, Bacău ISBN 973-8392-36-5, ISBN 9975-63-183-5 (Chișinău)
188. Hossu, A.M., **Radulescu C.**, Ionita, I., Magearu, V., Etude comparative des méthodes spectrophotométries d'analyse de la vitamine D, Le Troisième Colloque Franco-roumain De Chimie Appliquée, 2004, 262-264, Slanic-Moldova, Bacău ISBN 973-8392-36-5 ISBN 9975-63-183-5 (Chișinău)
189. **Radulescu C.**, Ionita, I., Hossu, A.M., Cationic dyes derivatives from heterocycle system 2-aminothiazolo[5,4-b]quinoxalin-7-carboxylic acid, 10th Internațional Conference COLORCHEM'04 – Proceedings, 2004, P24, Pardubice, Czech Republic ISBN 80-85119-01-3
190. **Radulescu C.**, Ionita, I., Hossu, A.M., Pharamatodynamic activity of cationic dyes derivatives of compact condensed system 2-aminothiazolo[5,4-b]quinoxalin-7-carboxylic acid, 10th International Conference COLORCHEM'04 - Proceedings, 2004, P25, Pardubice, Czech Republic ISBN 80-85119-01-3
191. Ionita, I., Albu, A.M., Tărăbășanu-Mihăilă, C., Badulescu, R., **Radulescu C.**, Photochromic polymeric materials. Synthesis and characterization, International Conference of Polymeric Materials P 2004, Haale/Saale Germany, PI40, ISBN 3-98466-68-2
192. **Radulescu C.**, Oancea, I., Buruleanu, L., Cercetări asupra activității antifungice a unor coloranți cationici obținuți prin sinteza”, Simpozionul Internațional “EUROALIMENT 2003”, 23-25 octombrie 2003, 582-589, Galați ISBN 973-8316-68-5
193. **Radulescu C.**, Tărăbășanu-Mihăilă, C., Dyeing polyacrylic fibres with new indazolic cationic dyes obtained by synthesis, Conferința Internațională de Chimie și Inginerie Chimică-Proceedings, 13-15 septembrie 2001, 158-163, București
194. **Radulescu C.**, Tărăbășanu-Mihăilă, C., Bumbac, M., New indazolyc cationic dyes synthesized for polyacrylic fibers, New Research Trends in Material Science-Proceedings, ARM-2, 2001, 86-90, Constanța

Books / Chapters of Books

1. **Radulescu C.**, Buruleanu C.L., Georgescu A.A., Dulama I.D., *Correlation between enzymatic and non-enzymatic antioxidants in several edible mushrooms species*. In: Food Engineering, Teodora Emilia Coldea (Ed.), ISBN 978-953-51-7778-4 2019 (**35 pages**)
2. Harmens H., Mills G., Hayes F., Sharps K., Frontasyeva M., [...] **Radulescu C.**, Riss A., Ruttens A., Santamaría J. M., Skudnik M., Spiric Z., Stafilov T., Steinnes E., Stihl C., Suchara I., Sucharová J., De Temmerman L., Thelle Uggerud H., Thöni L., Todoran R., Tomás-LasHeras R., Vergel K.N., Vikhrova I. V., Waegeneers N., Yurukova L., Zechmeister H.G., Zinicovscaia I., *Air Pollution and Vegetation, ICP Vegetation Annual Report 2015-2016*, Publisher: ICP Vegetation Programme Coordination Centre Centre for Ecology and Hydrology Environment Centre Wales, Bangor, UK, Editor: H. Harmens, D. Norris, G. Mills, 2016 ISBN: 978-1-906698-58-4 (**35 pages**)
3. Harmens H., Norris D., Mills G., Aboal Viñas J., Alber R., Aleksiyenak Y., Baceva K., Barandovski L., Berg T., Blum O., Carballeira Ocaña A., Chilian A., Cucu-Man S.-M., Culicov O.A., Dam M., Danielsson H., Dunaev A. M., Elustondo D., Ene A., Fernández Escribano J. Á., Frontasyeva M. V., Gheboianu A., Godzik B., Goryainova Z. I., Hanus A., Hoydal K., Infante Olarte M., Izquieta S., Jeran Z., Kapusta P., Karhu J., Kubin E., Laffray X., Lazo P., Lebedeva N. A., Leblond S., Liiv S., Magnússon S., Mankovska B., Martínez-Abaiagar J., Maxhuni A., Núñez-Olivera E., Pihl Karlsson J. G., Piispanen J., Poikolainen J., Popescu I.V., Qarri F., **Radulescu C.**, Riss A., Ruttens A., Santamaría J. M., Skudnik M., Spiric Z., Stafilov T., Steinnes E., Stihl C., Suchara I., Sucharová J., De Temmerman L., Thelle Uggerud H., Thöni L., Todoran R., Tomás-LasHeras R., Vergel K.N., Vikhrova I. V., Waegeneers N., Yurukova L., Zechmeister H.G., Zinicovscaia I., *Air Pollution and Vegetation, ICP Vegetation Annual Report 2014-2015*, Publisher: ICP Vegetation Programme Coordination Centre Centre for Ecology and Hydrology Environment Centre Wales, Bangor, UK, Editor: H. Harmens, D. Norris, G. Mills, 2015 ISBN: 978-1-906698-55-3 (**36 pages**)
4. **Radulescu C.**, Stihl C., Dulama I.D., chapter 4. *Analytical techniques used in the study of the elemental composition of the particulate matter. Chemical Speciation. Validation of analytical methods (70 pages)* and chapter 3. *The relationship between meteorological factors and particulate matter in ambient air (16 pages)* in *Methods for the assessment of air pollution with particulate matter to children's health*, Ed. MatrixRom, Bucharest, 2014 ISBN 978-606-25-0121-1 (**450 pages**)
5. Harmens H., Norris D., Mills G., Aboal Viñas J., Alber R., Aleksiyenak Y., Baceva K., Barandovski L., Berg T., Blum O., Carballeira Ocaña A., Chilian A., Cucu-Man S.-M., Culicov O.A., Dam M., Danielsson H., Dunaev A. M., Elustondo D., Ene A., Fernández Escribano J. Á., Frontasyeva M. V., Gheboianu A., Godzik B., Goryainova Z. I., Hanus A., Hoydal K., Infante Olarte M., Izquieta S., Jeran Z., Kapusta P., Karhu J., Kubin E., Laffray X., Lazo P., Lebedeva N. A., Leblond S., Liiv S., Magnússon S., Mankovska B., Martínez-Abaiagar J., Maxhuni A., Núñez-Olivera E., Pihl Karlsson J. G., Piispanen J., Poikolainen J., Popescu I.V., Qarri F., **Radulescu C.**, Riss A., Ruttens A., Santamaría J. M., Skudnik M., Spiric Z., Stafilov T., Steinnes E., Stihl C., Suchara I., Sucharová J., De Temmerman L., Thelle Uggerud H., Thöni L., Todoran R., Tomás-LasHeras R., Vergel K.N., Vikhrova I. V., Waegeneers N., Yurukova L., Zechmeister H.G., Zinicovscaia I., *Heavy Metals And Nitrogen In Mosses: Spatial Patterns In 2010/2011 And Long-Term Temporal Trends In Europe*, Publisher: ICP Vegetation Programme Coordination Centre Centre for Ecology and Hydrology Environment Centre Wales, Bangor, UK, Editor: H. Harmens, D. Norris, G. Mills, ISBN: 978-1-906698-38-6, 2013 (**63 pages**)
6. **Radulescu C.**, Stihl C., *Analytical methods used in the study of water pollution. Theory and Applications*, Ed. Valahia University Press, Târgoviște, 2011 ISBN 978-606-603-043-4 (**90 pages**)
7. **Radulescu C.**, Stihl C., *Complementary analytical methods for determining the concentration of heavy metals*, Ed. Bibliotheca, Târgoviște, 2011 ISBN 978-973-712-661-0 (**149 pages**)
8. Popescu I.V., **Radulescu C.**, Stihl C., Cimpoaia Gh.V., Dulama I., *Analytical techniques used in the study of environmental pollution*, Ed. Bibliotheca, Târgoviște, 2011 ISBN 978-973-712-660-3 (**265 pages**)
9. **Radulescu C.**, Ionita I., Moater E. I., *Chemistry problems and tests, second edition*, Ed. Bibliotheca, Târgoviște, 2011 ISBN 978-973-712-626-9 (**397 pages**)
10. Cimpoaia Gh.V., **Radulescu C.**, Stancu A., Dulama I., Let D., *Quartz Crystal Microbalance. Nanoanalytical Method. Applications*, Ed. Bibliotheca, Târgoviște, 2009 ISBN 978-973-712-388-6 (**310 pages**)
11. **Radulescu C.**, *Pollutant emissions*, Ed. Bibliotheca, Târgoviște, 2008 ISBN 978-973-712-405-0 (**337 pages**)
12. **Radulescu C.**, *Inorganic and Analytical Chemistry, vol. II*, Ed. Bibliotheca, Târgoviște, 2007 ISBN 978-973-712-299-5 (**256 pages**)
13. **Radulescu C.**, *Inorganic and Analytical Chemistry, vol. I*, Ed. Bibliotheca, Târgoviște, 2006 ISBN 973-712-194-5 (**360 pages**)

14. Hossu A.M., **Radulescu C.**, *Inorganic and Analytical Chemistry. Applications*, vol. I and II, Ed. Electra, București, 2006 ISBN 973-7728-80-7 (**375 pages**)
15. **Radulescu C.**, Moater E.I., Ionita I., Hossu A.M., *Chemistry problems and tests*, Ed. Bibliotheca, Târgoviște, 2005 ISBN 973-712-103-1 (**205 pages**)
16. **Radulescu C.**, Hossu A.M., Ionita I., *Chemistry of water and soil*, Ed. Bibliotheca, Târgoviște, 2004 ISBN 973-8413-86-9 (**141 pages**)
17. **Radulescu C.**, *Condensed Compact Heterocyclic Systems*, Ed. Bibliotheca, Târgoviște, 2004 ISBN 973-8413-51-6 (**110 pages**)
18. Ionita I, **Radulescu C.**, Hossu A.M., *Technical Chemistry. Applications*, Ed. Bibliotheca, Târgoviște, 2004 ISBN 973-712-002-7 (**179 pages**)
19. Ionita I, **Radulescu C.**, Hossu A.M., *Chemistry for Engineering*, Ed. Electra, București, 2004 ISBN 973-7728-27-0 (**205 pages**)
20. **Radulescu C.**, Constantinescu G.C., *Solid State Chemistry*, Ed. UNI-PRESS C-68, București, 2001 ISBN 973-8228-09-3 (**150 pages**)
21. **Radulescu C.**, *Preparative Inorganic Chemistry*, Ed. UNI-PRESS C-68, București, 2001 ISBN 973-8228-07-7 (**260 pages**)
22. **Radulescu C.**, *General Chemistry. Applications*, Ed. UNI-PRESS, București, 1996, ISBN 973-97435-3-X (**210 pages**)
23. **Radulescu C.**, *Inorganic Chemistry. Application*, vol. I și II, Ed. UNI-PRESS, București, 1996, ISBN 973-97477-1-X (**221 pages**)

Report

1. Harmens H. · Norris D.A. · Sharps K. · Mills G. · Alber R. · Aleksiyenak Y. · Blum O. · Cucu-Man S.-M. · Dam M. · Temmerman L. De · [...] · **Radulescu C.** · Skudnik M. · Spiric Z. · Stafilov T. · Steinnes E. · Stihl C. · Thöni L. · Todoran R. · Yurukova L. · Zechmeister H. G. · *Air Pollution And Vegetation: ICP Vegetation Annual Report 2014/2015 - ICP Vegetation Programme Coordination Centre, Centre for Ecology and Hydrology, Environment Centre, Bangor, Gwynedd, UK ISBN 978-1-906698-55-3*
<http://icpvegetation.ceh.ac.uk/publications/documents/FinalICPVegetationannualreport2014-15.pdf>

Patent

1. Ion R.M., Poinescu A., **Radulescu C.**, Nelu I., Oros C., *Composite Biomaterial and Process for Preparing the Same*, patent RO 130663B1 BOPI 12/2019

Projects

1. Horizon 2020 - LC-SC3-ES-3-2018-2020 - Project no. 824388/2018 E-LAND Integrated multi-vector management system for Energy isLANDs, UVT Administrative staff leader; Value: 392.000 Euro
2. Project CNFIS-FDI-2020-0397, D6 - Supporting research of excellence in universities. UVT coordinator of project (value 330000 RON)
3. 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 Responsabil Inovare Socială si Parteneriate
4. 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, UVT responsible; UVT Value: 1.196.707,00 lei (Total Project Value 5.287.500,00 lei)
5. 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, Micro-structural and compositional characterization of supports and coating layers on different substrates applied in biomaterials, photoelectrochemicals catalysis and cultural heritage, UVT leader of the project, Value: 8.000 USD
6. 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, UVT leader of the grant, Value: 5.000 USD
7. 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
8. 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*, UVT leader of the project
9. 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*, UVT leader of the project
 10. 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*, UVT leader of the project
 11. 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*, UVT leader of the project
 12. 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
 13. 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
 14. 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
 15. 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
 16. 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
 17. Bilateral Grant 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
 18. 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
 19. 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;
 20. 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
 21. 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
 22. Reserch 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 Universitatea Valahia din Targoviste, partner: Stiftelsen Norsk Institut for Luftforskning (Norwegian Institute for Air Research); director Stefania Iordache; 2014-2017 – position in project : Coordinator of Physico-chemical methods
 23. 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
 24. Bilateral Project between Valahia University of Targoviste and Joint Institute for Nuclear Research, Dubna, Moscow Region Projesct 04-4-1104-2012/2013 *"Nuclear and related analytical techniques for environmental and life sciences: therapeutic mud analysis"*, 2011-2013, position in project: member;
 25. Bilateral Project between Valahia University of Targoviste and Joint Institute for Nuclear Research, Dubna, Moscow Region; Proiect 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
26. Grant 04-4-1069-2010/2011, 3rd seminar JINR-Romania "Neutron physics Summer School", 2010-2011.
27. Research Project PNII: 262/2014 ISMAC, *High Performance Polymeric Insulation for Rotary Electric Machines. Technology and modeling methods (Izolații polimerice de înaltă performanță pentru mașini electrice rotative. Tehnologie și metode de modelare)* 2014-2016 – member, position in project – Coordinator of doctoral activities of PhD, as well as Responsible with physico-chemical analyses;
28. 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 înaltă precizie și sensibilitate aplicate în rețele de biomonitorizare a poluării mediului cu factori poluanți din zonele de dezvoltare de Sud, Sud-Est și centrala a României)*, 2008-2011, position in project: member and Responsible with physico-chemical analyses
29. 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 capacității unor specii de macromicete ubicvitate pentru absorbția metalelor grele și 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
30. 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 în mediile geologice și tehnologice contaminate)*, 2007-2010, position in project: member
31. Research Project PNCDI-II 1768/2007, PIEZOSENZ, *Piezoelectric microsensor, measurement, analysis and multiparametric, integrated 3D system (Sistem de senzori piezoelectrice, de măsurare, analiză și control multiparametric, integrat 3D)*, 2007-2010, position in project: member.
32. Grant S_10/01/10/2005, *Analize fizico-chimice a apelor de suprafață în scopul determinării gradului de poluare cu metale grele și poluanți organici*, 2005-2006, position in project: member.
33. 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 nouă sursă vegetală pentru extracția coloranților alimentari)*, 1996-1998, position in project: member.

Professor Cristiana Radulescu

