

Lista de lucrări – Published papers

Lista lucrări reprezentative (atașate în format electronic) – Representatives articles

1. **Radulescu C.**, Buruleanu L.C., Nicolescu M.C., Olteanu R.L., Bumbac M., Holban G.C., Simal-Gandara J., Phytochemical Profiles, Antioxidant and Antibacterial Activities of Grape (*Vitis vinifera* L.) Seeds and Skin from Organic and Conventional Vineyards, *Plants*, 9(11), 1470, 2020 IF = 2.762 (Q1)
<https://www.mdpi.com/2223-7747/9/11/1470/htm>
2. Pehoiu G., Murarescu O., **Radulescu C.***, Dulama I.D., Teodorescu S., Stirbescu R.M., Bucurica I.A., Stanescu G.S., Heavy metals accumulation and translocation in native plants grown on tailing dumps and human health risk, *Plant and Soil*, 456, 405-424, 2020 IF = 3.299 (Q1)
<https://link.springer.com/article/10.1007/s11104-020-04725-8>
3. **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 IF = 2.397 (Q3)
<https://www.mdpi.com/2073-4433/10/10/595/htm>
4. **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*, 34(6), e3234, 2020 IF= 1.633 (Q1)
<https://analyticalsciencejournals.onlinelibrary.wiley.com/doi/abs/10.1002/cem.3234>
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= 4.722 (Q1)
<https://www.sciencedirect.com/science/article/pii/S1567539419301240>
6. 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=1.657 (Q3)
<https://link.springer.com/article/10.1007/s00128-019-02570-9>
7. **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 no. 809, 2019 IF =1.196 (Q3)
https://rjp.nipne.ro/2019_64_3-4/RomJPhys.64.809.pdf
8. 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=1.467 (Q4)
<https://www.tandfonline.com/doi/abs/10.1080/00032719.2016.1275661>
9. 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= 3.056 (Q2)
<https://link.springer.com/article/10.1007/s11356-016-6734-x>
10. **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 = 1.657 (Q3)
<https://link.springer.com/article/10.1007/s00128-010-9976-1>

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Articole publicate în reviste cotate/indexate ISI - Published papers

1. Serban B.-C., Cobianu C., Buiu O., Bumbac M., Dumbravescu N., Avramescu V., Nicolescu C., Brezeanu M., **Radulescu C.**, Craciun G., Romanitan C., Comanescu F., Quaternary Oxidized Carbon Nanohorns - Based Nanohybrid as Sensing Coating for Room Temperature Resistive Humidity Monitoring, *Coatings*, 2021 (Q2)

2. Pehoiu G., **Radulescu C***, Murarescu O., Stanescu G.S., Dulama I.D., Bucurica I.A., Stirbescu R.M., Teodorescu S., Gheboianu A.I., Characterization of speleothems from Floriilor Cave, Romania, Romanian Reports in Physics, 73(1), Article no. 701, 2021 IF=2.147 (Q2)
<http://www.rrp.infim.ro/2021/AN73701.pdf>
3. **Radulescu C.**, Buruleanu L.C., Nicolescu M.C., Olteanu R.L., Bumbac M., Holban G.C., Simal-Gandara J., Phytochemical Profiles, Antioxidant and Antibacterial Activities of Grape (*Vitis vinifera* L.) Seeds and Skin from Organic and Conventional Vineyards, Plants, 9(11), 1470, 2020 IF = 2.762 (Q1)
<https://www.mdpi.com/2223-7747/9/11/1470/html>
4. Pehoiu G., Murarescu O., **Radulescu C***, Dulama I.D., Teodorescu S., Stirbescu R.M., Bucurica I.A., Stanescu G.S., Heavy metals accumulation and translocation in native plants grown on tailing dumps and human health risk, Plant and Soil, 456, 405-424, 2020 IF = 3.299 (Q1)
<https://link.springer.com/article/10.1007/s11104-020-04725-8>
5. Zarafu I., Matei L., Bleotu C., Ionita P., Tatibouët A., Păun A., Nicolau I., Hanganu A., Limban C., Nuta D.C., Nemeș R.M., Diaconu C., **Radulescu C***, Synthesis, Characterization, and Biologic Activity of New Acyl Hydrazides and 1,3,4-Oxadiazole Derivatives, Molecules, 25(14), 3308, 2020 IF=3.267 (Q2)
<https://www.mdpi.com/1420-3049/25/14/3308/html>
6. Ion, R.M., Bakirov B.A., Kichanov S.E., Kozlenko D.P., Belushkin A.V., **Radulescu C***, Dulama, I.D., Bucurica, I.A., Gheboianu A.I., Teodorescu, S., Stirbescu, R.M., Ianu L., David M.E., Grigorescu R.M., Non-destructive and micro-invasive techniques for characterizing the ancient Roman mosaic fragments, Applied Sciences, 10(11), 3781; 2020 IF=2.474 (Q2)
<https://www.mdpi.com/2076-3417/10/11/3781/html>
7. Barboiu G.A., **Radulescu C***, Popescu, I.V. Dulama, I.D. Bucurica, I.A. Teodorescu, S., Stirbescu, R.M. Tanase, N.M., Potential health risk assessment associated with heavy metal accumulation in native *Urtica dioica*, Romanian Reports in Physics, 72(4), Article no. 711, 2020. IF=2.147 (Q2)
<http://rrp.infim.ro/2020/AN72711.pdf>
8. Tanase, N.M., Popescu, I.V., **Radulescu C***, Bucurica, I.A., Dulama I.D., Teodorescu S., Stirbescu R.M., Barboiu G.A., Occurrence, toxicological risks of heavy metals and possible agricultural consequences of sewage sludge from urban treatment plants, Romanian Journal of Physics, 65(9-10), Article no. 812, 2020 IF=1.197 (Q3)
https://rjp.nipne.ro/2020_65_9-10/RomJPhys.65.812.pdf
9. Andrei, V.A., **Radulescu C***, Malinovschi 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, 10(4), Article no: 318, 2020 doi.org/10.3390/coatings10040318 IF= 2.436 (Q2)
<https://www.mdpi.com/2079-6412/10/4/318/html>
10. **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, 34(6), e3234, 2020 IF= 1633 (Q2)
<https://analyticalsciencejournals.onlinelibrary.wiley.com/doi/abs/10.1002/cem.3234>
11. **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 IF = 2.397 (Q3)
<https://www.mdpi.com/2073-4433/10/10/595/html>
12. 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= 4.722 (Q1)
<https://www.sciencedirect.com/science/article/pii/S1567539419301240>
13. Sister Serafima, Duliu O.G., Manea M.-M., Vasilica S., **Radulescu C.**, Constantinescu B., Stan D., Culicov O.-A., Zinovscaia I., Complex Investigation of Five Russian-Lipovan 19th Century Icons, Microchemical Journal, 150, 104-126, 2019 IF=3.594 (Q1)
<https://www.sciencedirect.com/science/article/abs/pii/S0026265X19314924>
14. Malinovschi 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=3.784 (Q1)

<https://www.sciencedirect.com/science/article/abs/pii/S0257897219307662>

15. **Radulescu C.**, Olteanu R.L., Stihl C., Florescu M., Lazurca 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= 1.467 (Q4)
<https://www.tandfonline.com/doi/abs/10.1080/00032719.2019.1590379>
16. Ion R.-M., Iancu L., Vasilievici 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 no. 231, 2019. IF= 2.436 (Q2)
<https://www.mdpi.com/2079-6412/9/4/231/htm>
17. 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=1.657 (Q3)
<https://link.springer.com/article/10.1007/s00128-019-02570-9>
18. 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= 1.467 (Q4)
<https://www.tandfonline.com/doi/abs/10.1080/00032719.2018.1560459>
19. Bintintan A., Gligor M., Dulama I.D., **Radulescu C.***, Stihl 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 =1.196 (Q3)
https://rjp.nipne.ro/2019_64_5-6/RomJPhys.64.903.pdf
20. 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= 1.467 (Q4)
<https://www.tandfonline.com/doi/abs/10.1080/00032719.2018.1528268>
21. 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 =2.147 (Q2)
<http://www.rrp.infim.ro/IP/A403.pdf>
22. 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(5-6), Article no.906, 2019 IF =1.196 (Q3)
https://rjp.nipne.ro/2019_64_7-8/RomJPhys.64.906.pdf
23. **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 no. 809, 2019 IF =1.196 (Q3)
https://rjp.nipne.ro/2019_64_3-4/RomJPhys.64.809.pdf
24. Stirbescu R.M., **Radulescu C.***, Stihl 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 no. 705, 2019 IF =2.147 (Q2)
<http://www.rrp.infim.ro/IP/A360.pdf>
25. 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 = 1.181 (Q3)
<https://actamont.tuke.sk/pdf/2019/n2/1popa.pdf>
26. Bucurica I. A., Popescu I. V., **Radulescu C.**, Cimpoca 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 = 1.392 (Q4)
<https://link.springer.com/article/10.1007/s12034-018-1600-8>
27. 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 no. 803, 2018 IF =1.196 (Q3)

https://rjp.nipne.ro/2018_63_5-6/RomJPhys.63.803.pdf

28. 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= 1.467 (Q4)
<https://www.tandfonline.com/doi/abs/10.1080/00032719.2017.1366499>
29. 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= 1.755 (Q3)
<https://revistadechimie.ro/Articles.asp?ID=6256>
30. 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), Article no.. 711, 2017 IF =2.147 (Q2)
<http://www.rrp.infim.ro/IP/AN711.pdf>
31. 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 Dambovit County in Correlation with their Levels of Some Essential and Non-essential Metals, *Revista de Chimie*, 68(10), 2402-2406, 2017 IF= 1.755 (Q3)
<https://revistadechimie.ro/Articles.asp?ID=5894>
32. **Radulescu C.**, Stih C., Ilie M., Lazurca D., Gruia R., Olaru O., Bute O., Dulama I. D., Știrbescu R., Teodorescu S., Florescu M., Characterization of Phenolic Constituents of *Lavandula Angustifolia*, *Analytical Letters*, 50(17), 2839-2850, 2017, IF= 1.467 (Q4)
<https://www.tandfonline.com/doi/abs/10.1080/00032719.2016.1264409>
33. **Radulescu C.**, Stih C., Iordache S., Dunea D., Dulama I.D., Characterization of urban atmospheric PM_{2.5} by ATR-FTIR, ICP-MS and SEM-EDS techniques, *Revista de Chimie*, 68(4), 805-810, 2017, IF= 1.755 (Q3)
<https://revistadechimie.ro/Articles.asp?ID=5557>
34. **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 =2.147 (Q2)
<http://www.rrp.infim.ro/IP/A154.pdf>
35. 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=1.467 (Q4)
<https://www.tandfonline.com/doi/abs/10.1080/00032719.2016.1275661>
36. 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=1.270 (Q3)
<https://www.sciencedirect.com/science/article/pii/S0168583X17301167>
37. 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= 1.755 (Q3)
<https://revistadechimie.ro/Articles.asp?ID=5556>
38. 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= 1.755 (Q3)
<https://revistadechimie.ro/Articles.asp?ID=5570>
39. 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 =1.755 (Q3)
<https://www.revistadechimie.ro/Articles.asp?ID=5600>
40. Bintintan A., Gligor M., Dulama I.D., Teodorescu S., Stirbescu R. M., **Radulescu C.***, ATR-FTIR and SEM-EDS Analyses of Lumea Noua Painted Pottery from Alba Iulia-Lumea Noua Neolithic Site, *Revista de Chimie*, 68(4), 847-852, 2017, IF= 1.755 (Q3)
<https://revistadechimie.ro/Articles.asp?ID=5564>
41. 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 =1.196 (Q3)

- https://rjp.nipne.ro/2017_62_5-6/RomJPhys.62.807.pdf
42. **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 =1.196 (Q3)
https://rjp.nipne.ro/2016_61_9-10/RomJPhys.61.p1604.pdf
 43. 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= 3.056 (Q2)
<https://link.springer.com/article/10.1007/s11356-016-6734-x>
 44. 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 =1.196 (Q3)
https://rjp.nipne.ro/2016_61_7-8/RomJPhys.61.p1354.pdf
 45. Georgescu A.A., Danet A., **Radulescu C.**, Stihi 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 =1.196 (Q3)
https://rjp.nipne.ro/2016_61_5-6/RomJPhys.61.p1087.pdf
 46. **Radulescu C.**, Iordache S., Dunea D., Stihi C., Dulama I.D., Risks assessment of heavy metals on public health associated with atmospheric exposure to PM2.5 in urban area, Romanian Journal of Physics, 60(9-10), 1171-1182, 2015. IF =1.196 (Q3)
https://rjp.nipne.ro/2015_60_7-8/RomJPhys.60.p1171.pdf
 47. **Radulescu C.**, Stihi 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 =1.196 (Q3)
https://rjp.nipne.ro/2015_60_1-2/RomJPhys.60.p246.pdf
 48. Chilian A., Bancuta O., Bancuta I., Setnescu R., Ion R.M., **Radulescu C.**, Setnescu T, Stihi 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=2.147 (Q2)
http://www.rrp.infim.ro/2015_67_3/A34.pdf
 49. 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, Revue Roumaine de Chimie, 60(5-6), 549-554, 2015 IF=0.381 (Q4)
<http://revroum.lew.ro/wp-content/uploads/2015/5/Art%2019.pdf>
 50. 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=1.755 (Q3)
<https://revistadechimie.ro/Articles.asp?ID=4257>
 51. **Radulescu C.**, Dulama I.D., Stihi 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 =1.196 (Q3)
https://rjp.nipne.ro/2014_59_9-10/RomJPhys.59.p1057.pdf
 52. Ionita I., **Radulescu C.**, Stihi 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 =1.196 (Q3)
https://rjp.nipne.ro/2014_59_9-10/RomJPhys.59.p1150.pdf
 53. Barbes L., **Radulescu C.**, Stihi C., ATR - FTIR spectrometry characterisation of polymeric materials, Romanian Reports in Physics, 66(3), 765–777, 2014 IF=2.147 (Q2)
http://rrp.infim.ro/2014_66_3/A17.pdf
 54. Barbes L., Barbulescu A., **Radulescu C.**, Stihi 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 =2.147 (Q2)
http://rrp.infim.ro/2014_66_3/A26.pdf
 55. Dulama I.D., Popescu I.V., **Radulescu C.**, Stihi 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 =2.147 (Q2)
http://www.rrp.infim.ro/2013_65_4/A39.pdf

56. **Radulescu C.**, Stihl 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 =1.196 (Q3)
https://rjp.nipne.ro/2013_58_9-10/1337_1354.pdf
57. **Radulescu C.**, Stihl 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 =1.755 (Q3)
<https://revistadechimie.ro/Articles.asp?ID=3724>
58. 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 =1.755 (Q3)
<https://revistadechimie.ro/Articles.asp?ID=3694>
59. Stihl 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(9), 1000-1003, 2013. IF =1.755 (Q3)
<https://revistadechimie.ro/Articles.asp?ID=3774>
60. **Radulescu C.**, Stihl 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 =2.147 (Q2)
http://www.rrp.infim.ro/2013_65_1/art21Radulescu.pdf
61. State G., Popescu I. V., **Radulescu C.**, Macris C., Stihl 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 = 1.657 (Q3)
<https://link.springer.com/article/10.1007/s00128-012-0713-9>
62. Dulama I.D., Popescu I.V., Stihl 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 =2.147 (Q2)
http://www.rrp.infim.ro/2012_64_4/art16Dulama.pdf
63. Popescu I.V., Frontasyeva M., Stihl C., Cimpoca Gh.V., **Radulescu C.**, State G., Gheboianu A., Oros C., Culicov 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 =2.147 (Q2)
http://www.rrp.infim.ro/2011_63_supliment/art08Popescu.pdf
64. Stihl 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 =1.196 (Q3)
https://rjp.nipne.ro/2011_56_1-2/0257_0265.pdf
65. 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 =1.196 (Q3)
https://rjp.nipne.ro/2011_56_1-2/0240_0250.pdf
66. **Radulescu C.**, Stihl 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 =1.755 (Q3)
<https://revistadechimie.ro/Articles.asp?ID=2812>
67. Lungu J., Oprea C.I., Dumbrava A., Enache I., Georgescu A., **Radulescu C.**, Ionita I., Cimpoca G.V., Gartu M.A., 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 =0.631 (Q4)
<https://joam.inoe.ro/articles/heterocyclic-azodyes-as-pigments-for-dye-sensitized-solar-cells-a-combined-experimental-and-theoretical-study/>
68. **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 Textila, 61(4), 168-175, 2010. IF =0.504 (Q4)
http://revistaindustriatextila.ro/images/2010/4_2010.pdf
69. Popescu I.V., Frontasyeva M., Stihl C., Cimpoca 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 =1.196 (Q3)
https://rjp.nipne.ro/2010_55_7-8/0821_0829.pdf

70. **Radulescu C.**, Stihl 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 = 1.657 (Q3)
<https://link.springer.com/article/10.1007/s00128-010-9976-1>
71. **Radulescu C.**, Stihl C., Busuioc G., Gheboianu A.I., Popescu I.V., Cimpoca 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 = 0.765 (Q4)
<https://www.rombio.eu/rbl4vol15/11%20Cristiana%20Radulescu.pdf>
72. **Radulescu C.**, Stihl C., Biological activity of new heterocyclic systems containing thiazolic ring, Revista de Chimie, 60(11), 1164-1168, 2009. IF = 1.755 (Q3)
<https://revistadechimie.ro/Articles.asp?ID=2406>
73. 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 = 0.765 (Q4)
<https://www.rombio.eu/rbl5vol14/1.pdf>
74. **Radulescu C.**, Hossu A.M., Ionita I., Moater E.I., Synthesis and characterization of new cationic dyes for synthetic fibres, Dyes and Pigments, 76(2), 366-371, 2008. IF = 4.613 (Q1)
<https://www.sciencedirect.com/science/article/abs/pii/S0143720806003780>
75. Moater E.I., Olteanu M., **Radulescu C.**, Adsorbția complexilor surfactant neionic-colorant acid al interfața bumbac/apa, Revista de Chimie, 59(4), 422-425, 2008. IF = 1.755 (Q3)
<https://revistadechimie.ro/Articles.asp?ID=1801>
76. Ionita I., Albu A.-M., **Radulescu C.**, Moater E.I., Cimpoca V. Gh., Gîrtu M., The analytical control of some photochromic materials, Journal of Optoelectronics and Advanced Materials, 10(11), 2859-2863, 2008. IF = 0.631 (Q4)
<https://old.joam.inoe.ro/index.php?option=magazine&op=view&idu=1712&catid=32>
77. Moater I., Olteanu M., Cinteza O., **Radulescu C.**, Ionita I., Adsorption of Some Alkyloxyethylene Pyridinium Chlorides at Solid-Water Interface, Revista de Chimie, 59(2), 168-172, 2008. FI=1.755 (Q3)
<https://revistadechimie.ro/Articles.asp?ID=1727>
78. **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-sulfofenil)-benzotriazole, Revista de Chimie, 58(10), 958-963, 2007. IF = 1.755 (Q3)
<https://revistadechimie.ro/Articles.asp?ID=1594>
79. Moater I.E., Olteanu M., Cinteza O., **Radulescu C.**, Ionita I., Adsorption of some alkyloxyethylene pyridinium chlorides at solid-water interface, Revista de Chimie, 58(6), 515-519, 2007. IF = 1.755 (Q3)
<https://revistadechimie.ro/Articles.asp?ID=1371>
80. **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 = 4.613 (Q1)
<https://www.sciencedirect.com/science/article/abs/pii/S0143720805002202>
81. **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 = 4.613 (Q1)
<https://www.sciencedirect.com/science/article/abs/pii/S0143720804001858>
82. 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 = 1.755 (Q3)
<https://revistadechimie.ro/Articles.asp?ID=1206>
83. **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 = 1.755 (Q3)
<https://revistadechimie.ro/Articles.asp?ID=1152>
84. Setnescu R., Ionita I., Setnescu T., **Radulescu C.**, Hossu A.M., Studiul comportarii termooxidative a unor materiale fotocromice, Materiale Plastice, 43(1), 1-5, 2006. IF = 1.517 (Q4)
<https://revmaterialeplastice.ro/Articles.asp?ID=954>
85. Moater I.E., Olteanu M., **Radulescu C.**, Ionita I., Hossu A.M., Adsorbția surfactantilor cationici la interfața bumbac/apa, Revista de Chimie, 57(2), 143-147, 2006. FI=1.755 (Q3)
<https://revistadechimie.ro/Articles.asp?ID=911>

86. 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, *Materiale Plastice*, 42(3), 196-199, 2005. IF =1.517 (Q4)
<https://revmaterialeplastice.ro/Articles.asp?ID=854>
87. 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 =1.755 (Q3)
<https://revistadechimie.ro/Articles.asp?ID=788>
88. 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 =1.755 (Q3)
<https://revistadechimie.ro/Articles.asp?ID=767>
89. **Radulescu C.**, Hossu A.M., New alkylated diquinoxaline-piperazine dicarboxylic acids obtained by synthesis, *Revista de Chimie*, 56(7), 742-745, 2005. IF =1.755 (Q3)
<https://revistadechimie.ro/Articles.asp?ID=700>
90. **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 =1.755 (Q3)
<https://revistadechimie.ro/Articles.asp?ID=681>
91. **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 =1.755 (Q3)
<https://revistadechimie.ro/Articles.asp?ID=562>
92. **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 =1.755 (Q3)
<https://revistadechimie.ro/Articles.asp?ID=512>
93. Hossu A.M., **Radulescu C.**, Ionita I., Magearu V., Determinarea vitaminei D din produsele farmaceutice prin cromatografia de lichide de înaltă performanță, *Revista de Chimie*, 55(10), 788-790, 2004. IF =1.755 (Q3)
<https://revistadechimie.ro/Articles.asp?ID=466>
94. **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 =1.755 (Q3)
<https://revistadechimie.ro/Articles.asp?ID=486>
95. **Radulescu C.**, Constantinescu G.C., Heteropolysalts of organic bases, *Revista de Chimie*, 55(4), 269-272, 2004. IF =1.755 (Q3)
96. **Radulescu C.**, Tarabasanu-Mihaila C., Coloranți derivați ai sistemului heterociclic compact condensat 2-aminothiazolo[4,5-b]piridina, *Revista de Chimie*, 55(2), 102-105, 2004. IF =1.755 (Q3)
<https://revistadechimie.ro/Articles.asp?ID=291>
97. **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 =1.755 (Q3)
<https://revistadechimie.ro/Articles.asp?ID=276>
98. **Radulescu C.**, Pharmacodynamic aspects of cationic dyes derivatives of compact condensed systems, *Revista de Chimie*, 54(12), 986-989, 2003. IF =1.755 (Q3)
<https://revistadechimie.ro/Articles.asp?ID=261>
99. 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
<https://ieeexplore.ieee.org/document/6688103>
100. 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 (November 1, 2012); doi:10.1117/12.964412; <http://proceedings.spiedigitallibrary.org/proceeding.aspx?articleid=1483144>

101. Stihl C., Gheboianu A., **Radulescu C.**, Popescu V. I., Busuioc G., Bancuta 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
<https://aip.scitation.org/doi/abs/10.1063/1.3647088>
102. Cimpoca G.V., **Radulescu C.**, Dulama I.D., Popescu I.V., Stihl C., Gheboianu A., Bancuta 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
<https://aip.scitation.org/doi/abs/10.1063/1.3322477>
103. Cimpoca G.V., **Radulescu C.**, Dulama I.D., Popescu I.V., Gheboianu A., Bancuta I., Cimpoca M., Cernica I., Staicu L., Quartz Crystal Microbalance (QCM): An Alternative Analytical Method for Investigation in Real-Time of Liquid Properties, AIP Proceedings, 1203, 160-165, 2009, ISBN 978-0-7354-0740-4 ISSN 1551-7616
<https://aip.scitation.org/doi/10.1063/1.3322401>
104. Cimpoca G.V., **Radulescu C.**, Popescu I.V., Dulama I.D., Ionita I., Cimpoca M., Cernica I., Gavrila 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
<https://aip.scitation.org/doi/abs/10.1063/1.3322479>
105. 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
<https://www.spiedigitallibrary.org/conference-proceedings-of-spie/7297/1/Synthesis-and-characterization-of-photochromic-polymeric-materials/10.1117/12.823636.short>
106. Cimpoca G.V., Popescu I.V., Dulama I.D., **Radulescu C.**, Bancuta I., Cimpoca M., Cernica I., Schiopu V., Danila M., Gavrila R., Self assembled monolayer of ethanthiol 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
<https://ieeexplore.ieee.org/document/5336590>
107. **Radulescu C.**, Stihl C., Popescu I. V., Varaticeanu 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 (WOS, ESCI)
http://www.josa.ro/docs/josa_2016_1/c_02_Radulescu.pdf
108. 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
<https://www.spiedigitallibrary.org/conference-proceedings-of-spie/9258/92580D/The-azobenzene-derivatives/10.1117/12.2069480.short>
109. Tomus (Szabo), D.E., Gligor, M., Dulama, I.D. **Radulescu C.***, Bucurica, I.A., Stanescu, S.G., Stirbescu, R.M., Archaeometric analyses on Precucuteni-Type pottery from Transylvania (Romania). Case study: Alba Iulia-Lumea Nouă, Journal of Science and Arts, 1(54), 285-306, 2021. (WOS, ESCI)
[http://www.josa.ro/docs/josa_2021_1/b_06_Tomus\(Szabo\)_285-306_22p.pdf](http://www.josa.ro/docs/josa_2021_1/b_06_Tomus(Szabo)_285-306_22p.pdf)
110. Florescu M., Stihl 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. (WOS, ESCI)
http://www.josa.ro/docs/josa_2017_4/b_03_Stihl.pdf
111. 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. (WOS, ESCI)
http://www.josa.ro/docs/josa_2018_2/b_02_Dulama_445-452.pdf
112. 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., Archaeometric Investigations on Ceramic Materials from Hunedoara – The Court Area, Journal of Science and Arts 2(43), 471-480, 2018. (WOS, ESCI)
http://www.josa.ro/docs/josa_2018_2/b_05_Ion_471-480.pdf

113. 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. (WOS, ESCI)
http://www.josa.ro/docs/josa_2018_4/b_05_Meret_1033-1044.pdf
114. 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. (WOS, ESCI)
http://www.josa.ro/docs/josa_2019_1/b_04_Andrei_185-194_10p.pdf
115. 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. (WOS, ESCI)
http://www.josa.ro/docs/josa_2019_1/b_06_Nicolescu_201-208_8p.pdf
116. Tanase M.N., Barboiu A.G., Vasile I., Bucurica I.A., Dulama I.D., Popescu I.V., **Radulescu C.**, Health risk assessment of heavy metals in drinking waters, Journal of Science and Arts, 1(50), 187-196, 2020. (WOS, ESCI)
http://www.josa.ro/docs/josa_2020_1/b_07_Tanase_Barboiu_187-196_10p.pdf
117. Alecu (Holban) G.-C., Olteanu R.L., **Radulescu C.**, Stirbescu R.M., Necula C., Boboaca-Mihaescu D.-N., Characterization of red grapes skin extracts using vibrational spectroscopy and chemometrics, Journal of Science and Arts 2(51), 475-490, 2020 (WOS, ESCI)
http://www.josa.ro/docs/josa_2020_2/b_08_Olteanu_475-490_16p.pdf
118. **Radulescu C.**, Dulama I.D., Bucurica I.A., Stanescu S.G., Vasile I., Occurrence, composition profiles and potential risk assessment of polychlorinated biphenyls (PCBs) in transformer oils, Journal of Science and Arts 3(52), 739-748, 2020 (WOS, ESCI)
http://www.josa.ro/docs/josa_2020_3/b_05_Radulescu_739-748_10p.pdf
119. Olteanu R.L., **Radulescu C.***, Stih C., Dulama I.D., Nicolescu C.M., Stanescu S.G., Bucurica I.A., Gurgu I.V., Stirbescu R.M., Gheboianu A.I., Let D.D., Teodorescu S., Olteanu L., Stirbescu N.M., Indoor Microclimatic Variables Assessment by Vibrational Spectroscopy on Original Structure of Tropaeum Traiani Monument, Adamclisi, Journal of Science and Arts 4(53), 977-994, 2020 (WOS, ESCI)
http://www.josa.ro/docs/josa_2020_4/b_03_Olteanu_977-994_18p.pdf
120. **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. (WOS, ESCI)
http://www.josa.ro/docs/josa_2013_3/b_02_Radulescu.pdf
121. **Radulescu C.**, Stih 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. (WOS, ESCI)
http://www.josa.ro/docs/josa_2012_4/b_03_C.%20Radulescu.pdf
122. Dulama I.D., Popescu I. V. Cimpoca 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. (WOS, ESCI)
http://www.josa.ro/docs/josa_2012_2/c_02_Dulama_ID.pdf
123. **Radulescu C.**, Stih C., Cimpoca 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- Chemistry & Chemical Engineering, Biotechnology, Food Industry, 12(2), 155-164, 2011 (WOS, ESCI)
<http://pubs.ub.ro/?pg=revues&rev=csc6&num=201112&vol=2&aid=3343>
124. Moater E.I., **Radulescu C.**, Ionita I., Isothermes de liaison surfactant – protéines, Scientific Study & Research- Chemistry & Chemical Engineering, Biotechnology, Food Industry, 12(4), 429-433, 2011 ISSN 1582-50X (WOS, ESCI)
<http://pubs.ub.ro/?pg=revues&rev=csc6&num=201104&vol=4&aid=3439>
125. Ionita I., Albu A.M., **Radulescu C.**, Moater EI., Des nouveautes ands la synthese et caracterisation des materiaux electro - optiques a base de polymeres avec des sequences carbazoleique, Scientific Study & Research- Chemistry & Chemical Engineering, Biotechnology, Food Industry, 12(2), 101-114, 2011 (WOS, ESCI)
<http://pubs.ub.ro/?pg=revues&rev=csc6&num=201112&vol=2&aid=3337>

126. **Radulescu C.**, Stihl C., Popescu I.V., Nănescu V.O., Gheboianu A.I., Cimpoca Gh. V., Dulama I.D., Chilian A., Bucurica A., Bancuta O.R., Analysis of Waste Water From Ecological Car Wash – A Case Study, Journal of Science and Arts, vol. 15(2), 193-200, 2011 (WOS, ESCI)
http://www.josa.ro/docs/josa_2011_2/08.pdf
127. Nănescu 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 (WOS, ESCI)
http://www.josa.ro/docs/josa_2011_2/10.pdf
128. Chilian A., Popescu I. V., **Radulescu C.**, Cimpoca Gh. V., Bancuta R., Bancuta I., Gheboianu A., Effect of Zinc Supplementation on Growth, Biochemical Process and Yield in Zea Mays, Journal of Science and Arts, vol. 17(4), 471-486, 2011 (WOS, ESCI)
http://www.josa.ro/docs/josa_2011_4/b.03 Andrei Chilian.pdf
129. Dulama I.D., Popescu I.V., Cimpoca 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. (WOS, ESCI)
http://www.josa.ro/docs/josa_2010_2/b.10_detection_of_aflatoxin_using_quartz_crystal_microbalance.pdf
130. Ionița 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 (WOS, ESCI)
http://www.josa.ro/docs/josa_2010_1/b.07_the_intersection_synthesis_for_the_photochromic_materials.pdf
131. 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(WOS, ESCI)
http://www.josa.ro/docs/josa_2010_1/c.02_assessment_of_river_water_quality.pdf
132. 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 Targoviste area, Journal of Science and Arts, 12(1), 119-124, 2010 (WOS, ESCI)
http://www.josa.ro/docs/josa_2010_1/c.03_lichens_as_biomonitor_of_heavy_metal_air_pollution.pdf
133. **Radulescu C.**, Ionita I., Albu A.M., Cimpoca 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 (WOS, ESCI)
http://www.josa.ro/docs/josa_2009_2/b.02_A_QUARTZ_CRYSTAL_MICROBALANCE_METHOD_FOR_THE_CHARACTERIZATION_OF_NEW_PHOTOCHROMIC_MATERIAL.pdf
134. Popescu I.V., Frontasyeva M., Stihl C., Cimpoca 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(WOS, ESCI)
http://www.josa.ro/docs/josa_2009_2/c.03_ANALYSIS_OF_Cr_Fe_Mn_Ni_AND_Zn_FROM_MOSSES_BY_NAA_AAS_AND_ICP_AES_METHODS.pdf
135. Ionița I., Albu A.-M., **Radulescu C.**, Moater E. I., The UV-Vis Characterization of Azo Dye by Irradiation, Journal of Science and Arts, 10(1), 83-89, 2009 (WOS, ESCI)
http://www.josa.ro/docs/josa_2009_1/b.01_THE_UV_VIS_CHARACTERIZATION_OF_AZO_DYE_BY_IRRADIATION.pdf
136. 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), 109-120, 2009 (WOS, ESCI)
<http://pubs.ub.ro/?pg=revues&rev=csc6&num=200910&vol=2&aid=2629>
137. Ionița I., Albu A.-M., **Radulescu C.**, Moater E. I., Phénomènes et mécanismes photoinduits dans les matériaux photochromiques, Scientific Study & Research- Chemistry & Chemical Engineering, Biotechnology, Food Industry, 10(1), 1-11, 2009 ISSN 1582-540X (WOS, ESCI)
<http://pubs.ub.ro/dwnl.php?id=CSC6200910V01S01A0001>
138. **Radulescu C.**, Ionița I., Moater E. I., Stihl C., Systèmes compacts condensées thiazole – pyridiniques avec activité biologique, Scientific Study & Research- Chemistry & Chemical Engineering, Biotechnology, Food Industry, 9(2), 243-258, 2008 (WOS, ESCI)
<http://pubs.ub.ro/?pg=revues&rev=csc6&num=200809&vol=2&aid=2078>
139. Hossu A.-M., **Radulescu C.**, Ilie M., Ionița I., Moater E. I., Applications of Thin Layer Chromatography (TLC) to the separation and quantification of the vitamins D, Scientific Study &

Research- Chemistry & Chemical Engineering, Biotechnology, Food Industry, 9(3), 303-308, 2008 (WOS, ESCI)

<http://pubs.ub.ro/?pg=revues&rev=csc6&num=200809&vol=3&aid=2414>

140. **Radulescu C.**, Hossu A.-M., Ionița I., Dyeing alternatives of textile fibres with new disperse and cationic dyes derivatives of compact condensed system 2-aminothiazole[4,5-f]indazole, Journal of Science and Arts, 17, 55-60, 2007 (WOS, ESCI)
http://www.josa.ro/docs/anale_2007.pdf
141. **Radulescu C.**, Hossu, A.-M., Ionița, I., Grigorescu, E.V., Melana fibres photostabilization by using UV absorber from benzotriazolic class, Journal of Science and Arts, 17, 61-66, 2007 (WOS, ESCI).
http://www.josa.ro/docs/anale_2007.pdf
142. Ionița I., **Radulescu C.**, Hossu A.M., The photochromic response of polymers structures modified with classical azo dyes, Journal of Science and Arts, 17, 51-54, 2007 (WOS, ESCI).
http://www.josa.ro/docs/anale_2007.pdf
143. Hossu A.-M., **Radulescu C.**, Ionița I., Moater E. I., Hossu D., Qualitative and semiquantitative TLC analysis of vitamin D₂, Journal of Science and Arts, 17, 47-50, 2007 (WOS, ESCI).
http://www.josa.ro/docs/anale_2007.pdf
144. **Radulescu C.**, Moater E. I., Hossu A.M., Ionița I., Monitoring des polluants des eaux residuelles resultant du processus de teinture des fibres synthetiques, Scientific Study & Research- Chemistry & Chemical Engineering, Biotechnology, Food Industry, VII(2), 415-427, 2006 (WOS, ESCI).
<http://pubs.ub.ro/?pg=revues&rev=csc6&num=200607&vol=2&aid=1104>
145. **Radulescu C.**, Moater, E. I., Hossu, A.M., Ionița, 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 (WOS, ESCI).
<http://pubs.ub.ro/?pg=revues&rev=csc6&num=200607&vol=1&aid=1066>
146. Moater E. I., **Radulescu C.**, Ionița I., Hossu A.-M., Adsorption competitive de surfactants et de bleu de methylene a interface coton/eau, Scientific Study & Research- Chemistry & Chemical Engineering, Biotechnology, Food Industry, VII(4), 857-864 2006 (WOS, ESCI)
<http://pubs.ub.ro/?pg=revues&rev=csc6&num=200607&vol=4&aid=1597>
147. Ionița I., Albu A.-M., **Radulescu C.**, Hossu A.-M., Moater E.I., Domaines des applications des materiaux photochromiques, Scientific Study & Research- Chemistry & Chemical Engineering, Biotechnology, Food Industry, VII(1), 183-192, 2006 (WOS, ESCI)
<http://pubs.ub.ro/?pg=revues&rev=csc6&num=200607&vol=1&aid=1078>
148. Hossu A.-M., **Radulescu C.**, Ionița I., Moater E.-I., Determination chromatographiques, spectrophotometriques et titrimetriques de vitamine C dans pharmaceutiques, Scientific Study&Research, VII(1), 233-238, 2006 (WOS, ESCI)
<http://pubs.ub.ro/?pg=revues&rev=csc6&num=200607&vol=1&aid=1084>
149. Hossu A.-M., **Radulescu C.**, Moater E.-I., Ionița I., Methodes spectrophotometriques et chromatographiques pour la determnation de la Vitamine C, Scientific Study&Research Chemistry& Chemical Engineering, Biotechnology, Food Industry, VII(1), 225-232, 2006 (WOS, ESCI)
<http://pubs.ub.ro/?pg=revues&rev=csc6&num=200607&vol=1&aid=1083>
150. Ionița I., **Radulescu C.**, Hossu A.M., Moater E. I., Intermediares used for synthesis of some azo photochromic dyes, Journal of Science and Arts, 16, 62-64, 2006, Targoviste (WOS, ESCI)
http://www.josa.ro/docs/anale_2006.pdf
151. Hossu A.M., **Radulescu C.**, Ionița I., Moater E.I., Hossu D., Stability analysis of vitamin E in pharmaceutical products, Journal of Science and Arts, 16, 60-62, 2006, Targoviste (WOS, ESCI)
http://www.josa.ro/docs/anale_2006.pdf
152. Moater E.I., **Radulescu C.**, Ionița I., Hossu A.M., Adsorption of non-ionic surfactant at solid-water, Journal of Science and Arts, 16, 72-74, 2006, (WOS, ESCI)
http://www.josa.ro/docs/anale_2006.pdf
153. **Radulescu C.**, Ionița I., Moater E.I., Hossu A.-M., Kinetics study of dyeing process of synthetic fibres with disperse dyes, Journal of Science and Arts, 16, 75-77, 2006, (WOS, ESCI)
http://www.josa.ro/docs/anale_2006.pdf
154. **Radulescu C.**, Hossu A.M., Ionița I., Green pigments derivatives from heterocyclic diquinoxaline-piperazine systems, Journal of Science and Arts, 15, 38-44, 2005 (WOS, ESCI)
http://www.josa.ro/docs/anale_2005.pdf

155. Hossu D., Hossu A.-M., Badeanu-Toma M., **Radulescu C.**, Ionița I., HPLC in determination of D vitamins from pharmaceutical preparation, *Journal of Science and Arts*, 15, 45-48, 2005 (WOS, ESCI)
http://www.josa.ro/docs/anale_2005.pdf
156. Ionița, I., **Radulescu C.**, Hossu, A.M., The characteristics of synthesized chromophores for photochromic materials, *Journal of Science and Arts*, 15, 49-53, 2005 (WOS, ESCI)
http://www.josa.ro/docs/anale_2005.pdf

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Articole publicate în reviste indexate BDI

157. Popescu I.V., Cimpoca Gh.V, Stih C, **Radulescu C.**, Chelarescu E.D, Dulama I.D., Dima D., *Atomic and Nuclear Spectrometric Methods with High Sensitivity Applied in the Study of Environmental Pollution with Heavy Metals: Synthesis*, *Annals of the Academy of Romanian Scientists Series on Physics and Chemistry*, 4(1), 2019, Online ISSN 2559-1061
<http://www.aos.ro/wp-content/anale/PCVol4Nr1Art.1.pdf>
158. 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
<https://iopscience.iop.org/article/10.1088/1757-899X/572/1/012088/pdf>
159. Gruia R., Lăzarcă D., **Radulescu C.**, Florescu M., *Preliminary research on the characteristics of phenols in Lavandula angustifolia sp.*, *Journal of EcoAgriTourism*, 13(2), 5-9, 2017. ISSN 1844-8577
<http://www.rosita.ro/jeat/current%20year/Jeat%202017%20nr%202/01.pdf>
160. Popescu I.V., Stih C, **Radulescu C.**, Dulama I.D., Bancuta I., Gheboianu A.I., Ignat M., Telipan G, Varaticeanu B, Cimpoca Gh.V., Chelărescu E.D, *Analysis of ionic impurities in Electrical Rotating Machines insulators by analytical techniques*, *Annals of the Academy of Romanian Scientists, Physics Series* 5(2), 21-218, 2015. ISSN 2066-7191,
<http://www.aos.ro/wp-content/anale/FVVol5Nr2Art.2.pdf>
161. Stih 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
<https://core.ac.uk/reader/267063740>
162. 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
<https://journals.usamvcluj.ro/index.php/agriculture/article/download/5175/4898>
163. **Radulescu C.**, Stih C., Popescu I.V., Busuioc G., Gheboianu A.I., Cimpoca 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
http://anale-chimie.univ-ovidius.ro/anale-chimie/chemistry/2010-1/full/2_Radulescu.pdf
164. **Radulescu C.**, Ionița I., Moater E. I., Stih C., *Decolorization of textile wastewater containing green cationic dye by AOPs*, *Ovidius University Annals of Chemistry*, 20(1), 66-71, 2009 ISSN–1223-7221
http://anale-chimie.univ-ovidius.ro/anale-chimie/chemistry/2009-1/full/13_Radulescu.pdf
165. Popescu I. V., Frontasyeva M., Stih C., Cimpoca 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.
http://www.afst.valahia.ro/images/documente/2009/16_PopescuIV_EN.pdf
166. **Radulescu C.**, Ionița 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
<http://www.eurasianjournals.com/pdf-79087-15106?filename=Monitoring%20and.pdf>
167. Moater E.-I., **Radulescu C.**, Hossu A.-M., Ionița 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
<http://www.eurasianjournals.com/pdf-79076-15102?filename=Adsorption%20Study%20of.pdf>

168. **Radulescu C.**, Hossu A.-M., Ionița I., Moater E.-I., Stîhi 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
169. Stîhi 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
170. **Radulescu C.**, Ionița 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*, 17(1), 135-138, 2006 ISSN-1223-7221
<http://anale-chimie.univ-ovidius.ro/anale-chimie/chemistry/2006/35.pdf>
171. Ionița I., Albu A.M., **Radulescu C.**, Hossu A.M., Moater E. I., *Dyes with potential application in photochromic materials*, *Ovidius University Annals of Chemistry*, 17(1), 131-134, 2006 ISSN-1223-7221
<http://anale-chimie.univ-ovidius.ro/anale-chimie/chemistry/2006/34.pdf>
172. **Radulescu C.**, Ionița I., Hossu A.M., Tarabașanu-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
<http://anale-chimie.univ-ovidius.ro/anale-chimie/chemistry/2005-2/7.pdf>
173. Hossu A.M., **Radulescu C.**, Ionița 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
<http://anale-chimie.univ-ovidius.ro/anale-chimie/chemistry/2005-2/6.pdf>
174. Ionița I., Albu A.M., Tarabașanu-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
175. Ionița I., Albu A.M., Tarabașanu-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
176. **Radulescu C.**, Buruleanu L., *Pharmacodynamic aspects of some compact condensed systems with thiazolic ring obtained by synthesis*, *Annals of Valahia University – secțiunea Tehnologia Produselor Alimentare, Pescuit și Acvacultura*, Fascicula V, 2004, 51-55 ISSN 1453-8202
177. **Radulescu C.**, Ionița I., Hossu A.M., *New compact condensed systems thiazolo-chinoxalines*, *Ovidius University Annals of Chemistry*, vol. XV, 66-71, 2004 ISSN-1223-7221
<http://anale-chimie.univ-ovidius.ro/anale-chimie/chemistry/2003/30.pdf>
178. Ionița I., Tarabașanu C., **Radulescu C.**, *Azo dyes with photochromic proprieties*, *Ovidius University Annals of Chemistry*, vol. XIV, 118-121, 2004 ISSN-1223-7221
<http://anale-chimie.univ-ovidius.ro/anale-chimie/chemistry/2003/31.pdf>
179. **Radulescu C.**, Ionița I., Hossu A.M., Tarabașanu-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 noua), vol I-II, 95-103, 2004 ISSN 1220-871X
<http://gw-chimie.math.unibuc.ro/anunivch/2004/AUBCh2004XIII1295103.pdf>
180. **Radulescu C.**, Hossu A.M., Ionița 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
http://www.josa.ro/docs/anale_2003.pdf
181. Ionița I., **Radulescu C.**, Hossu A.M., *Azoic dyes derivatives of phenyl-amino-methylensulfonic acid*, *Annals of Valahia University, section – Sciences*, 13, 67-69, 2003 ISSN 1584-5567
http://www.josa.ro/docs/anale_2003.pdf
182. Hossu A.M., **Radulescu C.**, Ionița I., *Stability analysis of vitamin A in pharmaceutical products*, *Annals of Valahia University, section – Sciences*, 13, 64-66, 2003 ISSN 1584-5567
http://www.josa.ro/docs/anale_2003.pdf
183. **Radulescu C.**, Constantinescu G.C., *Engrais retardes sur polymers biodégradable*, *Annals of Valahia University, section: Fundamental Science*, 12, 70-73, 2002 ISSN 1584-5567
http://www.josa.ro/docs/anale_2002.pdf

Proceedings la conferințe internaționale de specialitate

184. Bretcan P, Tanislav D., **Radulescu C.**, Dunea D., Serban Gh., Assessment of groundwater quality in a rural area using water quality index and GIS approach, International Conference Public recreation and landscape protection - with sense hand in hand?, Brno, Czech Republic, 11th – 13th May Křtiny 2020, p. 68 – 73.
185. Radulescu C., Stihl C., Ion R.M., Dulama I.D., Stanescu S.G., Stirbescu R.M., Teodorescu S., Gurgu I.V., Olteanu L., Seasonal variability of particulate matter composition and microclimate in cultural heritage area, 33rd ICP Vegetation Task Force meeting, 27 - 30 ianuarie 2020, Riga, Letonia.
186. Radulescu C., Stihl C., Dulama I.D., Stanescu S.G., Stirbescu R.M., Gheboianu A.I., Gurgu I.V., Olteanu R.L., Nicolescu C.M., Let D.D., Bucurica I.A., Teodorescu S. Olteanu L., Stirbescu N.M., *Toxicity, chemical composition of particulate matter and their relationship to microclimate conditions inside and outside of Roman Mosaic Edifice area, International Conference "Environmental Challenges in the Black Sea Basin: Impact on Human Health"*, Galati-Romania, 23-26 septembrie 2020.
187. Stihl C., Ene A., Frontasyeva M., Radulescu C., Dulama I.D., *Distribution of chemical elements in mosses collected from north-western part of Romania, International Conference "Environmental Challenges in the Black Sea Basin: Impact on Human Health"* Galati, Romania, September 23-26, S2.08, 2020
188. 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*
189. Ion, R.-M., Tincu, S., Iancu, L., Grigorescu, R.M., **Radulescu, C.**, Teodorescu, S., Dulama, I.D., Stirbescu, R.M., Bucurica, I.A., Ion, M.L., Gheboianu, A.I., *Archaeometric studies and conservation solutions for Corvins' castle circular towers*, 2019 IMEKO TC4 International Conference on Metrology for Archaeology and Cultural Heritage, IMEKO TC4 International Conference on Metrology for Archaeology and Cultural Heritage, MetroArchaeo 2019; Florence; Italy; 4 December 2019 through 6 December 2019; Code 157296, 314-317, 2019.
190. Ene A., Stihl 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.
191. Popescu I.V., I. Cucui, Stihl 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, Editura Orizonturi Univeristare Timisoara, p. 429-436, 2009 ISBN 978-973-638-410-3
192. **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
193. **Radulescu C.**, I. Ionita, V. Gh. Cimpoca, A. M. Albu, I. V. Popescu, E.. I. Moater, Stihl 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
194. Albu, A.-M. Ionița, I., **Radulescu C.**, Stanciu D. N., *Novel carbazole derivatives, 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, Editura Printech, Bucuresti, 2008
195. Ionița I., Ana-Maria Albu, Cornel Tarabașanu Mihaila, **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 publicata in Proceedings, vol. Conferintei, Editura Matrix-Rom, Bucuresti ISBN 978-973-755-387-4

196. Popescu, I.V., Stihi 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
197. **Radulescu C.**, Hossu, A-M., Moater, E-I, Ionița, 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
198. Moater Elena Irina, **Radulescu C.**, Ionița Ionica, Hossu Ana-Maria, *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
199. Ionița Ionica, **Radulescu C.**, Moater Elena Irina, Hossu Ana-Maria, *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
200. Hossu Ana-Maria, **Radulescu C.**, Ilie Mihaela, Ionita Ionica, Moater Elena-Irina, *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
201. **Radulescu C.**, Hossu, A-M., Ionița, 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
202. 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
203. **Radulescu C.**, Ionița, I., Hossu, A.M., *Synthèse de systèmes compacts condensés avec un cycle thiazolique*, Le Troisième Colloque Franco-Roumain De Chimie Appliquée, 2004, 117-120, Slanic-Moldova, Bacau ISBN 973-8392-36-5 ISBN 9975-63-183-5 (Chișinău)
204. **Radulescu C.**, Hossu, A.M., Ionița, I., *Aspects pharmacologiques de nouveau systèmes compact condensés avec un cycle thiazolique*, Le Troisième Colloque Franco-roumain De Chimie Appliquée, 2004, 121-124, Slanic-Moldova, Bacau ISBN 973-8392-36-5, ISBN 9975-63-183-5 (Chișinău)
205. Hossu, A.M., **Radulescu C.**, Ionița, I., Magearu, V., *Etude comparative des méthodes spectrophotométriques d'analyse de la vitamine D*, Le Troisième Colloque Franco-roumain De Chimie Appliquée, 2004, 262-264, Slanic-Moldova, Bacau ISBN 973-8392-36-5 ISBN 9975-63-183-5 (Chișinău)
206. **Radulescu C.**, Ionița, I., Hossu, A.M., *Cationic dyes derivatives from heterocycle system 2-aminothiazolo[5,4-b]quinoxalin-7-carboxylic acid*, 10th International Conference COLORCHEM'04 – Proceedings, 2004, P24, Pardubice, Czech Republic ISBN 80-85119-01-3
207. **Radulescu C.**, Ionița, I., Hossu, A.M., *Pharmatodynamic 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
208. Ionița, I., Albu, A.M., Tarabașanu-Mihaila, 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
209. **Radulescu C.**, Oancea, I., Buruleanu, L., *Cercetari asupra activității antifungice a unor coloranți cationici obținuți prin sinteză*, Simpozionul Internațional “EUROALIMENT2003”, 23-25 octombrie 2003, 582-589, Galați ISBN 973-8316-68-5
210. **Radulescu C.**, Tarabașanu-Mihaila, 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
211. **Radulescu C.**, Tarabașanu-Mihaila, C., Bumbac, M., *New indazolic cationic dyes synthesized for polyacrylic fibers*, New Research Trends in Material Science-Proceedings, ARM-2, 2001, 86-90, Constanța

Proiecte/Granturi de cercetare-dezvoltare-inovare naționale și internaționale

- P1.** Project CNFIS-FDI-2021-0075, D6 - Dezvoltarea capacității instituționale pentru cercetare în universități. ProResearch: Calitate, performanță, excelență – fundamente pentru un mediu stimulat și competitiv în activitatea de cercetare (value 337868 lei) – director de proiect
- P2.** 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
- P3.** EEA Financial Mechanism 2014-2021, Research Project RO-NO-20190691-2020-2023,, GRAAL Recovery - *Granular activated algae technology for wastewater treatment and resources recovery*, UVT (Total project value 1.182.485 Euro) – membru în proiect
- P4.** Project CNFIS-FDI-2020-0397, D6 - *Supporting research of excellence in universities*. UVT coordinator of project (value 330000 RON) – director proiect
- P5.** Proiect POCU/379/6/21/-125160VIITOR-ANTREPRENOR - *Cresterea participarii studentilor din categorii vulnerabile la programme de studii de licenta prin cadre inovative antreprenoriale*, 2018-2021, value 7.329.870,11 lei; Expert Responsabil Inovare Sociala si Parteneriate
- P6.** Bilateral Project 04-4-1121-2015/2021, 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 director proiect
- P7.** 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 director grant
- P8.** 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 (Tehnologii noi de diagnoza si tratament pentru conservarea si revitalizarea componentelor arheologice ale patrimoniului cultural national)*, Responsabil partenet P4 - UVT
- P9.** 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*, membru in proiect
- P10.** 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 Romanian Plane salt lakes*, UVT director proiect
- P11.** Bilateral Project 04-4-121-2015/2020, 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 director proiect
- P12.** 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 director proiect
- P13.** 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 director proiect
- P14.** 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*, membru in proiect
- P15.** 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*, membru in proiect

- P16.** 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*, membru in project
- P17.** 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*, director proiect
- P18.** 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*, director proiect
- P19.** 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*, director proiect
- P20.** 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*, director proiect
- P21.** Research Project PN-II-RU-TE-2014-4-2801, *Research on the detection of bioactive substances from plant extracts with antioxidative capacity (Cercetari privind detectia substantelor bioactive din extracte de resurse vegetale cu capacitate antioxidanta)*, 2015-2017, position in project: membru;
- P22.** 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 – director proiect
- P23.** 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 – director proiect
- P24.** 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 Universitatea Valahia din Targoviste, partner: Stiftelsen Norsk Institutt for Luftforskning (Norwegian Institute for Air Research); director Stefania Iordache; 2014-2017– Responsabil cu analizele fizico-chimice
- P25.** 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 – membru
- P26.** 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, membru;
- P27.** 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 Dambovit County, Romania, studied by nuclear and related analytical techniques*, 2001-2010, membru
- P28.** Grant 04-4-1069-2010/2011, 3rd seminar JINR-Romania “Neutron physics Summer School”, 2010-2011, membru
- P29.** 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 – membru, Coordonator al activității studenților doctoranzi in proiect; Responsabil cu analizele fizico-chimice.
- P30.** 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 central a României)*, 2008-2011, membru, Responsabil cu analizele fizico-chimice
- P31.** 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 ubicvitare pentru absorbtia metalelor grele și rare în scopul utilizarii acestora ca bioindicatori și bioacumulatori în biotehnologii de mediu), 2008-2011, membru, Responsabil cu analizele fizico-chimice

- P32.** 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, membru
- P33.** Research Project PNCDI-II 1768/2007, PIEZOSENZ, *Piezoelectric microsensor, measurement, analysis and multiparametric, integrated 3D system (Sistem de microsenzori piezoelectrice, de masurare, analiza si control multiparametru, integrat 3D)*, 2007-2010, position in project: membru.
- P34.** Grant S_10/01/10/2005, *Analize fizico-chimice a apelor de suprafața în scopul determinarii gradului de poluare cu metale grele și poluanți organici*, 2005-2006, membru.
- P35.** 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 vegetala pentru extracția coloranților alimentari)*, 1996-1998, membru.

Brevete

1. Ion R.M., Poinescu A., **Radulescu C.**, Nelu I., Oros C., *Biomaterial compozit si procedeu de obtinere a acestuia*, RO 130663B1 BOPI 12/2019
2. **Radulescu C.**, Nicolescu C.M., Bumbac M., Olteanu R.L., Buruleanu L.C., Gorghiu L.M., Holban C.G., *Cremă Emolientă pentru Ten Uscat cu Extract de Piele/Sâmbure (Cultură Ecologică Vitis Vinifera L., Soiul Fetească Neagră)* A100097/08.03.2021

Carti/Capitole în carti

- C1. Frontasyeva M., Harmens H., Uzhinskiy A., Chaligava O. [...] **Radulescu C.**, Skudnik M., Spiric Z., Stafilov T., Steinnes E., Stihl C., [...], *Mosses as biomonitors of air pollution: 2015/2016 survey on heavy metals, nitrogen and POPs in Europe and beyond, Report of the ICP Vegetation*, Publisher: The International Cooperative Programme on Effects of Air Pollution on Natural Vegetation and Crops. The ICP Vegetation reports to the Working Group on Effects of the Convention on Long-range Transboundary Air Pollution, **2020**, ISBN: 978-5-9530-0508-1 (**138 pagini**)
- C2. **Radulescu C.**, Buruleanu C.L., Georgescu A.A., Dulama I.D., *Correlation between enzymatic and non-enzymatic antioxidants in several edible mushroom species*. In: *Food Engineering*, Teodora Emilia Coldea (Ed.), ISBN 978-953-51-7778-4 **2019**.
- C3. Harmens H., Mills G., Hayes F., Sharps K., Frontasyeva M., [...], **Radulescu C.**, Skudnik M., Spiric Z., Stafilov T., Steinnes E., Stihl C., Thöni L., [...], *Air Pollution and Vegetation - ICP Vegetation Annual Report 2015/2016*, Publisher: ICP Vegetation Programme Coordination Centre, Centre for Ecology and Hydrology, Environment Centre, Bangor, Gwynedd, UK & Moss Survey Coordination Centre, Frank Laboratory of Neutron Physics, Joint Institute for Nuclear Research, Dubna, Moscow, Russia Editor: H. Harmens, G. Mills, F. Hayes, K. Sharps, M. Frontasyeva, **2016** ISBN 978-1-906698-58-4 <https://icpvegetation.ceh.ac.uk/20152016> (**35 pagini**)
- C4. 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., FernándezEscribano J. Á., Frontasyeva M. V., Gheboianu A., Godzik B., Goryainova Z. I., Hanus A., Hoydal K., InfanteOlarte 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-Abaigar 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 pagini**)
- C5. **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 pagini) and chapter 3. The relationship between meteorological factors and particulate matter in ambient air (16 pagini) în *Metode de evaluare a efectelor poluarii aerului cu particule în suspensie asupra sănătății copiilor*, Ed. MatrixRom, București, **2014 (450 pagini)**
- C6. Harmens H., Norris D., Mills G., AboalViñas J., Alber R., Aleksiyenak Y., Baceva K., Barandovski L., Berg T., Blum O., CarballeiraOcaña 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-Abaigar J., Maxhuni A., Núñez-Olivera E., PihlKarlsson 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., ThelleUggerud 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 Ecologyand HydrologyEnvironment Centre Wales, Bangor, UK, Editor: H. Harmens, D. Norris, G. Mills, ISBN: 978-1-906698-38-6, **2013 (63 pagini)**
- C7. **Radulescu C.**, Stihl C., *Metode analitice utilizate în studiul poluarii apelor. Teorie și aplicații*, Editura Valahia UniversityPress, Targoviste, **2011** ISBN 978-606-603-043-4 (**90 pagini**)
- C8. **Radulescu C.**, Stihl C., *Metode analitice complementare pentru determinarea concentrației de metale grele*, Editura Bibliotheca, Târgoviște, **2011** ISBN 978-973-712-661-0 (**149 pagini**)
- C9. Popescu I.V., **Radulescu C.**, Stihl C., Cimpoca Gh.V., Dulama I.D., *Tehnici analitice utilizate în studiul poluarii mediului*, EdituraBibliotheca, Targoviste, 2011 ISBN 978-973-712-660-3 (**265 pagini**)
- C10. **Radulescu C.**, Ionita I., Moater E. I., *Probleme și Teste de chimie*, editiaII-a, Ed. Bibliotheca, Targoviste, **2011** ISBN 978-973-712-626-9 (**397 pagini**)
- C11. CimpocaGh.V., **Radulescu C.**, Stancu A., Dulama I., Let D., *Microbalantacu Cristal de Cuarț. Metoda Nanoanalitica. Aplicatii*, Editura Bibliotheca, Targoviste, **2009** ISBN 978-973-712-388-6 (**310 pagini**)
- C12. **Radulescu C.**, *Emisiipoluante. Metode pentru reducerea acestora*, Editura Bibliotheca, Targoviste, **2008** ISBN 978-973-712-405-0 (**337 pagini**)
- C13. **Radulescu C.**, *Chimie anorganicașianalitica, vol. II*, Editura Bibliotheca, Targoviste, **2007** ISBN 978-973-712-299-5 (**256 pagini**)
- C14. **Radulescu C.**, *Chimie anorganicașianalitica, vol. I*, Editura Bibliotheca, Targoviste, **2006** ISBN 973-712-194-5 (**360 pagini**)
- C15. Hossu A.M., **Radulescu C.**, *Elemente de chimie anorganică și analitica*, vol. I și II, Editura Electra, București, **2006** ISBN 973-7728-80-7 (**375 pagini**)
- C16. **Radulescu C.**, Moater E.I., Ionita I., Hossu A.M., *Probleme și Teste de chimie*, Editura Bibliotheca, Targoviste, **2005** ISBN 973-712-103-1 (**205 pagini**)
- C17. **Radulescu C.**, Hossu A.M., Ionița I., *Chimia apei și a solului*, Editura Bibliotheca, Targoviste, **2004** ISBN 973-8413-86-9 (**141 pagini**)
- C18. **Radulescu C.**, *Sisteme Heterociclice Compact Condensate*, Editura Bibliotheca, Targoviste, **2004** ISBN 973-8413-51-6 (**110 pagini**)
- C19. Ionița I., **Radulescu C.**, Hossu A.M., *Chimie Tehnica. Aplicații practice și numerice*, Ed. Bibliotheca, Targoviste, **2004** ISBN 973-712-002-7 (**179 pagini**)
- C20. Ionița I., **Radulescu C.**, Hossu A.M., *Chimie pentru profil tehnic*, EdituraElectra, Bucuresti, **2004** ISBN 973-7728-27-0 (**205 pagini**)
- C21. **Radulescu C.**, Constantinescu G.C., *Chimia stării solide*, Editura UNI-PRESS C-68, București, **2001** ISBN 973-8228-09-3 (**150 pagini**)
- C22. **Radulescu C.**, *Chimie Anorganică Preparativă*, Editura UNI-PRESS C-68, București, **2001** ISBN 973-8228-07-7 (**260 pagini**)
- C23. **Radulescu C.**, *Chimie Generală. Aplicații practice*, Editura UNI-PRESS, București, **1996**, ISBN 973-97435-3-X (**210 pagini**)
- C24. **Radulescu C.**, *Chimie Anorganică. Aplicații practice*, vol. I și II, Editura UNI-PRESS, București, **1996**, ISBN 973-97477-1-X (**221 pagini**)

Cărți de specialitate publicate în format electronic

- C25. **Radulescu C.**, *Chimie anorganică și analitică*, Suport de curs pentru învățământ la distanță, IDD, specializarea Montanologie, **2005 (155 pagini)**
- C26. **Radulescu C.**, *Emisii poluante. Procedee de reducere a acestora*, Suport de curs – Centrul Regional de Consultanță și Perfecționare în Eco-Management Program PHARE 2003 Coeziune Economică și Socială – Promovarea Capitalului Uman, **2006 (250 pagini)**
- C27. **Radulescu C.**, *Protecția Mediului în Contextul Legislației Europene*, Suport de curs- Centrul Regional de Consultanță și Perfecționare în Eco-Management Program PHARE 2004 – Dezvoltarea Resurselor Umane, Transfer de Eurocompetențe: Calea spre Excelența în Afaceri, **2007 (300 pagini)**

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