

PERSONAL INFORMATION



**Octavian G. DULIU**

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Sex M | Date of birth 14/02/1947 | Nationality Romanian

WORK EXPERIENCE

<b>Dates</b>	01.10.1999 → present
<b>Occupation or position held</b>	<p><b>Professor Emeritus</b>/Department of Structure of matter, Earth and Atmospheric Physics and Astrophysics; University of Bucharest (01.10.1999 - present) Ph.D. Adviser (01.10.2000 → present) 27 Ph.D. students defended successfully</p> <p><b>Scientific Researcher 1</b> /AccenPro 2000, srl (01.01.2015 - present)</p> <p><b>Scientific Researcher 1</b> /Geological Institute of Romania, (16.08.2021 - present)</p> <p><b>Teaching:</b> Dosimetry and Radioprotection, Physical Principles of X and Gamma ray imaging, Radiation ecology, Applications of Atomic and Nuclear Methods of Investigation, Magnetic Resonance</p> <p><b>Researching:</b> Radiographic and Axial Computer Tomographic investigation of rocks, sedimentary formations as well as different materials of special interest</p> <p>- Instrumental Neutron Activation Analysis and Radiometric Assay in geosciences and environmental science</p> <p>- Ultra-low background radiation laboratory, Environmental radioactivity</p> <p>- Neutrino detection</p> <p>- Radioactive waste management</p> <p>- Radiometric age methods (<math>^{137}\text{Cs}</math>, <math>^{230}\text{Th}_{\text{excess}}</math> and <math>^{231}\text{Pa}_{\text{excess}}</math>, <math>^{210}\text{Pb}</math>)</p> <p>- Atomic and nuclear methods in the expertise of work of art and special materials</p> <p>- Electron Paramagnetic Resonance in life sciences and geology</p>
<b>Main activities and responsibilities</b>	
<b>Dates</b>	01.10.1996-30.09.1999
<b>Occupation or position held</b>	<b>Associate professor</b> /Department of Atomic and Nuclear Physics
<b>Dates</b>	01.10.1990 – 30.09.1996
<b>Occupation or position held</b>	<b>Lecturer</b> /
<b>Dates</b>	15.09.1980 – 30.09.1990
<b>Occupation or position held</b>	<b>Assistant Professor</b> /Department of Atomic and Nuclear Physics
<b>Dates</b>	01.10.1969 – 14.09.1980
<b>Occupation or position held</b>	<b>Physicist</b> /Department of Atomic and Nuclear Physics
<b>Name and address of employer</b>	University of Bucharest, Department of Atomic and Nuclear Physics 405, Atomistilor str., 077125 Magurele (Ilfov), Romania
<b>Type of business or sector</b>	Education, research

EDUCATION AND TRAINING

<b>Dates</b>	01.10.2004 – 30.10.2011
<b>Title of qualification awarded</b>	Ph.D. in Geology "The study of Holocene depositional cycles in the Black Sea: paleoenvironmental reconstructions"

<b>Principal subjects covered</b>	Geochemistry, sedimentology, absolute geochronology, single and dual-energy computed tomography and digital radiography, radiometric assay, time series analysis, instrumental neutron activation analysis, uni and multi-variate statistical analysis
<b>Name and type of organization</b>	University of Bucharest, Department of Geology
<b>Level in international classification</b>	ISCED 7
<b>Dates</b>	24.09.1970 – 31.10.1973
<b>Title of qualification awarded</b>	Ph.D. in Physics “Electron paramagnetic resonance investigation of some iron group ions in monoclinic tungstates
<b>Name and type of organization</b>	Electron paramagnetic resonance, microwave technique, spectra simulation
<b>Name and type of organization</b>	Institute of Semiconductors, Ukrainian Academy of Science, UKRAINE (former USSR)
<b>Level in international classification</b>	ISCED 7
<b>Dates</b>	10-20.05.2008, 11-23.11.2008, 25.05-09.06.2009, 01-24.11.2009, 25.05-10.06.2011, 09-23.11.2012, 19.08-06.09.2013, 26.05-25.06.2014, 15.05-05.09.2015, 20.10-02.11.2015, 16.05-17.09.2016, 22.05-21.09.2017, 23-30.11.2017, 15.03-2018-17.07.2018, 22.04.2019-22.08.2019
<b>Title of qualification awarded</b>	<b>Research stage</b>
<b>Principal skills covered</b>	Skills covered: Instrumental Neutron Activation Analysis
<b>Name and type of organization</b>	Frank Neutron Physics Laboratory, Joint Institute for Nuclear Research, Dubna, Russian Federation
<b>Level in international classification</b>	ISCED 6
<b>Dates</b>	30/09/1996 – 15/06 /1997
<b>Title of qualification awarded</b>	<b>Courses attending</b>
<b>Principal subjects/occupational skills covered</b>	Skills covered: Dosimetry & radioprotection, NMR tomography, Medical Physics,
<b>Name and type of organization</b>	University of Patras, Patras, Greece
<b>Level in international classification</b>	ISCED 5
<b>Dates</b>	15/11/1982 – 15/02/1983 15/10/1983 – 30/12/1983
<b>Principal subjects covered</b>	Classic superconductivity
<b>Name and type of organization</b>	Joint Institute for Nuclear Research, Dubna, Russian Federation
<b>Level in international classification</b>	ISCED 6
<b>Dates</b>	01/9/1994 - 21/09/1994
<b>Title of qualification awarded</b>	<b>Autumn school of Medical Physics</b>
<b>Principal subjects/occupational skills covered</b>	Skills covered: Dosimetry & radioprotection, NMR tomography, Medical Physics,
<b>Name and type of organization</b>	International Center for Theoretical Physics, Trieste, Italy
<b>Level in international classification</b>	ISCED 5
<b>Dates</b>	01/10/1993 - 30/10/1994
<b>Title of qualification awarded</b>	<b>International School on Synchrotron Radiation</b>
<b>Principal subjects/occupational skills covered</b>	Skills covered: Accelerator physics, radiation interaction with matter, X-ray spectroscopy, solid state physics
<b>Name and type of organization</b>	International center for Theoretical Physics, Trieste, Italy
<b>Level in international classification</b>	ISCED 5
<b>Dates</b>	01/10/1964 - 26/06/1969
<b>Title of qualification awarded</b>	License in Nuclear Physics
<b>Principal subjects covered</b>	Nuclear spectroscopy, experimental methods in nuclear physics, theory of nucleus, high energy physics
<b>Name and type of organization</b>	University of Bucharest, Department of Physics405, Atomistilor str., 077125 Magurele (Ilfov), Romania
<b>Level in international classification</b>	ISCED 5
<b>Dates</b>	15/09/1960 - 04/07/1964

**Title of qualification awarded** Bacalaureate  
**Principal subjects covered** Mathematics and Physics  
**Name and type of organization** "Iulia Hasdeu" National College  
 91, Ferdinand I Bvd, Bucharest, Romania  
**Level in international classification** ISCED 3

PERSONAL SKILLS

**Mother tongues** Romanian, Aromanian

**Other languages**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2 <b>Proficient user</b>	C2 <b>Proficient user</b>	C2 <b>Proficient user</b>	C2 <b>Proficient user</b>	C2 <b>Proficient user</b>
Russian	c2 <b>Proficient user</b>	C2 <b>Proficient user</b>	C2 <b>Proficient user</b>	C2 <b>Proficient user</b>	C2 <b>Proficient user</b>
French	c1 <b>Basic user</b>	C1 <b>Basic user</b>	B1 <b>Basic user</b>	B1 <b>Basic user</b>	B1 <b>Basic user</b>

**Communication skills** good communication skills gained through my experience as professor, Ph.D. adviser and scientific researcher

**Organizational /managerial skills** Self-organizing and other team member coordination skills  
 Good experience in team and project management (11 research projects as Director or Responsible representing the University of Bucharest)

**Job related skills** good command of quality control processes, reviewer for more scientific journals and projects

**Digital competence**  
 Specialized soft: ImageJ, PAST, Statistica, Corel suite, Origin, Matlab, Image Manipulation  
 Inkscape, GNU  
 General soft: MS Office, LibrOffice, Latex  
 Operating systems: Windows, Linux  
 Data processing: Time Series Analysis, Multivariate Statistic Analysis

**Other skills and competences**  
 Technical and non-technical projects  
 Academic documents (plans, syllabus, curricula documents, etc.)  
 Writing books for academic use  
 Microwave technique

**Driving license** B

Authorized list of papers, books, patents and prizes

A. ARTICLES

International Journals

1. N. RAILEANU, I. RADULIAN, O.G. DULIU (1972) Phenothiazonic Cation Radicals - *Collection of the Czechoslovak Chemical Communications* **37** : 470 - 480
2. A.A. BUGAI, O.G. DULIU, V.M. MAKSIMENKO, Iu. B. SCHEVCENKO (1972) Temperaturnoe izmenenie velichiny rassceplenia linii EPR iona Cr<sup>3+</sup> v ZnWO<sub>4</sub> vo vneschnem elektriceskom pole - *Fizica Tverdogo Tela* **14** : 573 - 575 (in Russian)
3. A.A. BUGAI, O.G. DULIU, B.K. KRULIKOVSKII, A.B. ROITSIN (1973) EPR at Low Concentration - *Physica Status Solidi (b)*, **57** : K 15 - K 16
4. A.A. BUGAI, O.G. DULIU, B.K. KRULIKOVSKII, A.B. ROITSIN (1973) Proiavlenie efektov nizkoi simmetrii v paramagnitnom rezonanse Fe<sup>3+</sup> in ZnWO<sub>4</sub>. - *Fizica Tverdogo Tela* **15** : 2842 - 2843 (in Russian)
5. A.A. BUGAI, O.G. DULIU, B.K. KRULIKOVSKII, A.B. ROITSIN (1974) Efekty nizkoi simmetrii v paramagnitnom rezonanse - *Ukrainski fiziceski jurnal* **19** : 1161 - 1166 (in Russian)
6. O.G. DULIU, V. VOLJIN (1979) THE EPR Investigation of the Sorption Process by Marine Sediments - *Rapport et Communications de la Societe Internationale pour l'etude de la Mer Mediterranee* **25/26** : 5 - 8

7. O.G. DULIU, LUCRETIA DINESCU, M.C. DINESCU, R.D. DORCIOMAN, N.G. MIHAILESCU, I. S. VANGHELE (1996) Some considerations concerning <sup>137</sup>Cs vertical profile in Danube Delta: Matita Lake core - *the Science of the Total Environment* **188** : 9 – 14; WOS:A1996VJ17900002
8. A.D. STIRBET, O.G. DULIU (1996) Electron Paramagnetic Resonance Investigation of the Interaction of Nitroxyl Spin Labels with Photosynthetic Membranes - *Journal of Biological Physics* **22**: 175 – 185; WOS:A1996WD38700003
9. O.G. DULIU, S. SZOBOTCA, M. TUFAN (1997) Reconstructive Computer Tomography Investigation of Polymetallic Nodules - *Marine Geology* **138**: 303 - 311
10. O. G. DULIU, LUCRETIA C. DINESCU, N. MIHĂILESCU, I. VANGHELIE, A. DINESCU (1997) Vertical Distribution of Some Microelements in Danube Delta: Matita Lake Cores - *Journal of Trace and Microprobe Techniques*, **15** : 273 – 280; WOS:A1997XQ55600003
11. I. NAZARENCO, O.G. DULIU (1997) High reliability photoconducting system CdS:Cr<sub>2</sub>O<sub>3</sub> using ceramic technology - *Journal of the European Ceramic Society* **17**: 1757 – 1760; WOS:A1997YJ43100013
12. E. A. PREOTEASA, O.G. DULIU, V. V. GRECU (1997) EPR Study of Complex Formation between the Copper Ion and Sympathomimetic Amines in Aqueous Solution - *Il Nuovo Cimento D* **19**: 967 - 974
13. V.V. GRECU, O.G. DULIU, S. PASCANU, C. OPROIU, R. GEORGESCU, M.I. CHIPARA (1997) Radiation - specific free radicals in biological systems: detection and applications - *Physica Medica*, **13** : 272 - 273
14. O.G. DULIU, N. MIHAILESCU (1998) Radiographic Investigation of Danube River and Danube Delta Sedimentary Cores *Acta Geologica Hungarica* **41**: 121 - 138
15. L.C. DINESCU, O. G. DULIU, M. BADEA, N. G. MIHĂILESCU, I. M. VANGHELIE (1998) INAA investigation of the vertical distribution of major and trace elements in Matita Lake (Danube Delta) sediments - *Journal of Radioanalytical and Nuclear Chemistry* **238**: 75 - 81
16. O.G. DULIU, L.C. DINESCU, G. SKLIROS (1999) INAA study of some major and trace elements distribution in Greek limestone and marbles - *Journal of Trace and Microprobe Techniques*, **17** : 165 - 176
17. O.G. DULIU (1999) Computer Axial Tomography in geosciences: an overview - *Earth-Science Review* **48** : 265 - 281
18. O.G. DULIU, M. FERDES, O. FERDES (2000) EPR investigation of irradiated *Monascus purpureus* red pigment - *Radiation Physics and Chemistry* **57**: 95 - 101
19. O.G. DULIU, L.C. DINESCU, N.G. MIHAILESCU (2000) On the distribution of <sup>137</sup>Cs in lacustrine sediments of the Danube Delta - *Journal of Trace and Microprobe Techniques* **18** :
20. L.C. DINESCU, O.G., DULIU, E. ANDRIES (2000) INAA investigation of the major and trace elements in some lakes of the Danube Delta - *Journal of Radioanalytical and Nuclear Chemistry* **244** : 147-152
21. O.G. DULIU (2000) Electron Paramagnetic Resonance identification of irradiated cuttlefish (*Sepia officinalis* L.) - *Applied Radiation and Isotopes* **52**: 1385-1390, WOS:000086953700059
22. A. WIESER, K. MEHTA, S. AMIRA, D. ARAGNO, S. BERCEA, A. BRIK, A. BUGAI, F. CALLENS, V. CHUMAK, B. CIESIELSKI, R. DEBUYST, O.G. DULIU, P. FATTIBENE, E.H. HASKELL, R.B. HAYES, E.A. IGNATIEV, A. IVANNIKOV, V. KIRILLOV, E. KLESCHENKO, N. NAKAMURA, J. NOWAK, S. ONORI, B.P. PASS, S. PIVOVAROV, A. ROMANYUKHA, A.I. SCHAMES, O. SCHERBINA, S. SHOLOM, D.D. TIKOUNOV, S. TOYODAThe 2nd International Intercomparison on EPR tooth dosimetry - *Radiation Measurements* **32**: 549-557
23. C.T. RIZESCU, G.N. GEORGESCU, O.G. DULIU (2001) High density mineral inclusions in rocks evidenced by gamma-ray tomodensitometry - *Journal of Trace and Microprobe Techniques* **19**: 119-129
24. L.C. DINESCU, O.G. DULIU (2001) Heavy metal pollution of some Danube Delta lacustrine sediments studied by neutron activation analysis- *Applied Radiation and Isotopes* **54**: 853-859 WOS:000167611400020
25. O.G. DULIU, M. EPURASI, V. TRANDAFIR (2001) EPR investigation of the gamma-ray irradiated natural and tanned collagen - *Applied Radiation and Isotopes* **54**: 887-891 WOS:000167748800003
26. S. S. GANATSIOS, L. I. TSIKRITZIS, O.G. DULIU, T. D. SAWIDIS (2001) Natural <sup>228</sup>Ra, <sup>226</sup>Ra and <sup>40</sup>K and artificial <sup>137</sup>Cs radionuclides distribution in soil in areas of lignite power plants of Western Macedonia - *Journal of Trace and Microprobe Techniques* **19**: 259-266
27. C.T. RIZESCU, G.N. GEORGESCU, O.G. DULIU, S.A. SZOBOTKA (2001) 3-D dual gamma-ray computer axial tomography investigation of polymetallic nodules - *Deep Sea Research I* **48**: 2529-2540
28. L.I. TSIKRITZIS, S.S. GANATSIOS, O.G. DULIU, C.V. KAVOURIDIS, T.D. SAWIDIS (2002) Trace elements distribution in soil in areas of lignite power plants of Western Macedonia - *Journal of Trace and Microprobe Techniques* **20**: 269-282.
29. L.T. TZIKRITZIS, S.S. GANATSIOS, O.G. DULIU, T. SAWIDIS (2002) Heavy metals distribution in some lichens, mosses, and trees in the vicinity of lignite power plants from West Macedonia, Greece - *Journal of Trace and Microprobe Techniques* **20**: 395–414
30. O.G. DULIU, F. PREOTEASA, C.T. RIZESCU, G.G. GEORGESCU (2003) X- and  $\gamma$ -ray CAT investigation of *Fungia fungites* L. (Cnidaria, Scleractinia) coral skeleton - *Journal of Trace and Microprobe Techniques* **21**: 493-500
31. L.T. TZIKRITZIS, S.S. GANATSIOS, O.G. DULIU, T. SAWIDIS (2003) Natural and artificial radio nuclides distribution in some lichens, mosses and trees in the vicinity of lignite power plants from Western Macedonia, Greece - *Journal of Trace and Microprobe Techniques* **21**: 395–414.
32. O.G. DULIU (2003) How sensitive is CAT to porosity? - *Journal of Trace and Microprobe Techniques* **21**: 609–614.
33. L.C. DINESCU, O.A. CULICOV, O.G. DULIU, M.V. FRONTASYEVA, C.D. OPREA (2003) Intercomparison between neutron activation analysis laboratories for trace elements determination in lacustrine sediments- *Journal of Trace and Microprobe Techniques* **21**: 665–676.
34. O.G. DULIU, C.T. RIZESCU, C. RICMAN (2003) Dual energy X-ray axial computer tomography investigation of some metamorphic and sedimentary rocks – *Neues Jahrbuch für Geologie und Paläontologie* **228**: 343-362.

35. O.G. DULIU, M. FERDES, O.S. FERDES (2004) ESR study of some irradiated food enzymes – *Journal of Radioanalytical and Nuclear Chemistry* **260**: 273-277.
36. L.C. DINESCU, E. STEINNES, O.G. DULIU, C. CIORTEA, T.E. SJØBAKK, D.E. DUMITRIU (2004) Distribution of some major and trace elements in Danube delta lacustrine sediments and soil – *Journal of Radioanalytical and Nuclear Chemistry* **262**: 345-354.
37. O.G. DULIU, O.A. CULICOV, I. RĂDULESCU, C. CRISTEA, T. VASIU (2005) Major, trace and natural radioactive elements in bituminous coal from Australia, Romania, Russia, South Africa and Ukraine: a comparative investigation – *Journal of Radioanalytical and Nuclear Chemistry* **264**: 225-234.
38. O.G. DULIU, R. GEORGESCU, SHABAN IBRAHIM ALI (2007) EPR investigation of some irradiated traditional oriental spices – *Radiation Physics and Chemistry* **76**, 1031-1036.
39. D.E. SELETSCI, O.G. DULIU, R. GEORGESCU (2007) EPR investigation of *Rapana Thomasiana* irradiated shell – *Radiation Physics and Chemistry* **76**, 1650 – 1652.
40. CRUCERU, I, G. NICOLESCU, O.G. DULIU (2008) A dedicated torsion balance to detect neutrinos by coherent scattering on high Debye temperature monocrystals – *International Journal of Modern Physics A* **23**, 1719-1728, <https://doi.org/10.1142/S0217751X08039530>
41. M.R. NEMTEANU, I.S. KIKUCHI, T.DE J.A. PINTO, E., MAZILU, S. SETNIC, M. BUCUR, O.G. DULIU, V. MELTZER, E. PINCU (2008) Electron beam irradiation of *Matricaria chamomilla* L. for microbial decontamination, *Nuclear Instruments and Methods in Physics Research B* **266**, 2520-2523
42. R. MARGINEANU, C. SIMION, S. BERCEA, O.G. DULIU, D. GHEORGHIU, A. STOCHIOIU, M. MATEI (2008) The Slanic-Prahova (ROMANIA) underground low-background radiation laboratory - *Applied Radiation and Isotopes*, **66**, 1501-1506
43. M. IOVEA, G. OAIE, C. RICMAN, G. MATEIASI, M. NEAGU, S. SZOBOTKA, O.G. DULIU (2009) Dual energy X-ray computer axial tomography and digital radiography investigation of cores and other objects of geological interest – *Engineering Geology* **103**, 119–126
44. CARMEN CRISTACHE, KATALIN GMÉLING, OTILIA CULICOV, MARINA V. FRONTASYEVA, MAGDALENA TOMA, O.G. DULIU (2009) An ENAA and PGAA comparative study of anoxic Black Sea sediments - *Journal of Radioanalytical and Nuclear Chemistry* **279**, 7-12.
45. O.G. DULIU, C.I. CRISTACHE, O.A.CULICOV, M.V.FRONTASYEVA, S.A.SZOBOTCA, M.TOMA (2009) Epithermal neutron activation analysis investigation of Clarion-Clipperton Abyssal plane clay and polymetallic micronodules – *Applied Radiation and Isotopes* **67**, 939-943
46. O. NICULAE, V. ANDREI, G. IONITA, O.G. DULIU (2009) Preliminary safety concept for disposal of the very low level radioactive waste in Romania - *Applied Radiation and Isotopes* **67**, 935-938
47. R.M. MARGINEANU, A.M. APOSTU, O.G. DULIU, S. BERCEA, C.M. GOMOIU, C.I. CRISTACHE (2009) External dose rate in Unirea salt mine, Slanic-Prahova, Romania - *Applied Radiation and Isotopes* **67**, 759-761, WOS:000266130000022
48. C.I. CRISTACHE, O.G. DULIU, O.A. CULICOV, M.V. FRONTASYEVA, C. RICMAN, M. TOMA (2009) Epithermal neutron activation, radiometric, correlation and principal component analysis applied to the distribution of major and trace elements in some igneous and metamorphic rocks from Romania - *Applied Radiation and Isotopes* **67**, 901-906
49. C. VARLAM, I. STEFANESCU, O.G. DULIU, I. FAURESCU, I. POPESCU (2009) Applying direct liquid scintillation counting to low level tritium measurement - *Applied Radiation and Isotopes* **67**, 812-816
50. O.G. DULIU, VERONICA ALEXE, JACQUES MOUTTE, STEFAN A. SZOBOTCA (2009) Major and trace elements distribution in abyssal clay, micronodules and manganese nodules from Clarion-Clipperton region (North East Pacific) – *GeoMarine Letters* **29**, 71-83. WOS:000264182700001
51. CARMEN CRISTACHE, CORINA ANCA SIMION, R.M. MARGINEANU, MIHAELA MATEI, OTILIA A. CULICOV, MARINA V. FRONTASYEVA, O.G. DULIU (2009) Epithermal Neutrons Activation Analysis, Radiochemical and Radiometric Investigations of Evaporitic Deposits of Slanic-Prahova (Romania) Salt Mine – *Radiochimica Acta* **97**, 333 – 337.
52. O.G. DULIU, CARMEN CRISTACHE, GHEORGHE OAIE, OTILIA A. CULICOV, MARINA V. FRONTASYEVA, MAGDALENA TOMA (2009) ENAA Studies of pollution in anoxic Black Sea sediments – *Marine Pollution Bulletin* **58**, 827-831
53. P. BAIAS, W. HOFMANN, RENATE WINKLER-HEIL, C. COSMA, O.G. DULIU (2009) Lung dosimetry for inhaled radon progeny in smokers - *Radiation Protection Dosimetry* **138**, 111-118
54. M. IOVEA, G. MATEIASI, O.G. DULIU, M. NEAGU, M. MANGU (2009) Combined X-ray dual-energy radioscopy and Tomography analysis for explosives detection – *Materials Evaluation*, **67**, 1344-1349
55. V. BERCU, C.D. NEGUT, O.G. DULIU (2010) EPR investigation of some desiccated *Ascomycota* and *Basidiomycota* gamma-irradiated mushrooms - *Radiation Physics and Chemistry* **79**, 1275–1278
56. NELIDA FLOREA, CARMEN CRISTACHE, G. OAIE, O.G. DULIU (2011) Concordant <sup>210</sup>Pb and <sup>137</sup>Cs ages of Black Sea anoxic unconsolidated sediments – *Geochronometria* **38**, 101 – 106
57. V. BERCU, D. NEGUT, O.G. DULIU (2011) EPR studies of the free radical kinetics in  $\gamma$ -rays irradiated *Pleurotus ostreatus* oyster mushrooms - *Food Research International* **44**, 1008-1011
58. M. CRUCERU, G. NICOLESCU, O.G. DULIU I. CRUCERU (2011) Detection of solar neutrinos by coherent scattering in high-Debye temperature monocrystals - *International Journal of Modern Physics A*, **26**, 2773-2782, <https://doi.org/10.1142/S0217751X11053493>
59. M. IOVEA, M. NEAGU, O.G. DULIU, G. OAIE, S. SZOBOTKA. G. MATEIASI (2011) A Dedicated on-Board Dual-Energy Computer Tomograph - *Journal of Nondestructive Evaluation* **30**, 167 – 171, <https://doi.org/10.1007/s10921-011-0104-x>; WOS:000293648600007

60. N. FLOREA, O.G. DULIU (2011) 18 years of continuous observation of  $^{222}\text{Rn}$  and  $^{220}\text{Rn}$  progenies atmospheric activity – *International Journal of Environmental Radioactivity*, **103**, 14-23, <https://doi.org/10.1016/j.jenvrad.2011.10.002>; WOS:000300806000003
61. D.C. NEGUT, V. BERCU, O.G. DULIU (2012) Defects induced by gamma irradiation in historical pigments – *Journal of Cultural Heritage* **13**, 397-403, <https://doi.org/10.1016/j.culher.2012.01.002>; WOS:000311021400006
62. V. BERCU, D. NEGUT, O.G. DULIU (2012) Detection of irradiated frog (*Limnonectes macrodon*) leg bones by multifrequency EPR spectroscopy - *Food Chemistry*, **135**, 2313-2319, <https://doi.org/10.1016/j.foodchem.2012.07.015>; WOS:000309786400030
63. N. FLOREA, O.G. DULIU (2013) The Rehabilitation of the Barzava Uranium Mine Tailings: a Case Study - *Journal of Hazardous, Toxic, and Radioactive Waste* **17**, 230 – 236.
64. O.G. DULIU, S.I. LYAPUNOV, A.V. GORBUNOV, V. ALEXE, T. BRUSTUR, C. RICMAN, S. A. SZOBOTKA, M.V. FRONTASYEVA, M. IOVEA (2013) On the Heavy Elements Content of Sediments and Rocks from Two Semiclosed Ecosystems: Proglacial Lake Bâlea (Fagaras Mountains) and Crater Lake St. Ana (Harghita Mountains) - *Physics of Particles and Nuclei Letters*, **10**, 469–475, <https://doi.org/10.1134/S1547477113050087>
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