

# Europass Curriculum Vitae



## Personal information

**First name(s) / Surname** **Octavian-Gheorghe DULIU**  
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**E-mail** o.duliu@upcmil.ro, o.g.duliu@gmail.com , o.duliu@fizica.unibuc.ro  
  
**Nationality** Romanian  
  
**Date of birth** 14.02.47  
  
**Gender** Male

## Occupational field **Professor / Atomic and Nuclear Physics/ Ph.D. adviser**

### Work experience

Dates	01.10.1999 → present; 01.10.200 → Ph.D. adviser (27 Ph.D students defended successfully)
Occupation or position held	<b>Professor/</b> Department of Atomic and Nuclear Physics
Main activities and responsibilities	<b>Teaching:</b> Dosimetry and Radioprotection, Physical Principles of X and Gamma ray imagistics, Radiation ecology, Applications of Atomic and Nuclear Mthods of Investigation, Magnetic Resonance <b>Researching:</b> Radiographic and Axial Computer Tomographic investigation of rocks and sedimentary formations - Instrumental Neutron Activation Analysis and Radiometric Assay in geosciences - Ultra-low background radiation laboratory, Environmetal radioactivity - Neutrino detection - Radioactive waste management - Radiometric age methods ( $^{137}\text{Cs}$ , $^{230}\text{Th}_{\text{excess}}$ and $^{231}\text{Pa}_{\text{excess}}$ , $^{210}\text{Pb}$ ) - Atomic and nuclear methods in the expertise of work of art. - Electron Paramagnetic Resonance in life sciences and geology
Dates	01.10.1996-30.09.1999
Occupation or position held	<b>Associate professor/</b> Department of Atomic and Nuclear Physics
Dates	01.10.1990 – 30.09.1996
Occupation or position held	<b>Lecturer/</b>
Dates	15.09.1980 – 30.09.1990
Occupation or position held	<b>Assistant Professor/</b> Department of Atomic and Nuclear Physics
Dates	01.10.1969 – 14.09.1980
Occupation or position held	<b>Physicist/</b> Department of Atomic and Nuclear Physics
Name and address of employer	University of Bucharest, Department of Atomic and Nuclear Physics 405, Atomistilor str., 077125 Magurele (Ilfov), Romania
Type of business or sector	Education, research

## Education and training

Dates	01.10.2004 – 30.10.2011
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Title of qualification awarded	<b>Ph.D.</b> in Geology “The study of Holocene depositional cycles in the Black Sea: paleoenvironmental reconstructions”
Principal subjects/occupational skills covered	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
Name and type of organization providing education and training	University of Bucharest, Department of Geology
Level in national or international classification	ISCED 7
Dates	24.09.1970 – 31.10.1973
Title of qualification awarded	<b>Ph.D.</b> in Physics “Electron paramagnetic resonance investigation of some iron group ions in monoclinic tungstates
Name and type of organization providing education and training	Electron paramagnetic resonance, microwave technique, spectra simulation
Name and type of organization providing education and training	Institute of Semiconductors, Ukrainian Academy of Science, UKRAINE (former USSR)
Level in national or international classification	ISCED 7
Dates	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
Title of qualification awarded	<b>Research stage</b>
Principal skills covered	Skills covered:
Name and type of organization providing education and training	Instrumental Neutron Activation Analysis
Level in national or international classification	Frank Neutron Physics Laboratory, Joint Institute for Nuclear Research, Dubna, Russian Federation
Dates	ISCED 6
Title of qualification awarded	<b>Courses attending</b>
Principal subjects/occupational skills covered	Skills covered:
Name and type of organization providing education and training	Dosimetry & radioprotection, NMR tomography, Medical Physics,
Level in national or international classification	University of Patras, Patras, Greece
Dates	ISCED 5
Dates	15/11/1982 – 15/02/1983 15/10/1983 – 30/12/1983
Principal subjects/occupational skills covered	Classic superconductivity
Name and type of organization providing education and training	Joint Institute for Nuclear Research, Dubna, Russian Federation
Level in national or international classification	ISCED 6
Dates	01/9/1994 - 21/09/1994
Title of qualification awarded	<b>Autumn school of Medical Physics</b>
Principal subjects/occupational skills covered	Skills covered:
Name and type of organization providing education and training	Dosimetry & radioprotection, NMR tomography, Medical Physics,
Level in national or international classification	International Center for Theoretical Physics, Trieste, Italy
Dates	ISCED 5
Dates	01/10/1993 - 30/10/1994
Title of qualification awarded	<b>International School on Synchrotron Radiation</b>
	Skills covered:

Principal subjects/occupational skills covered	Accelerator physics, radiation interaction with matter, X-ray spectroscopy, solid state physics
Name and type of organization providing education and training	International center for Theoretical Physics, Trieste, Italy
Level in national or international classification	ISCED 5
Dates	01/10/1964 - 26/06/1969
Title of qualification awarded	License in Nuclear Physics
Principal subjects/occupational skills covered	Nuclear spectroscopy, experimental methods in nuclear physics, theory of nucleus, high energy physics
Name and type of organization providing education and training	University of Bucharest, Department of Physics405, Atomistilor str., 077125 Magurele (Ilfov), Romania
Level in national or international classification	ISCED 5
Dates	15/09/1960 - 04/07/1964
Title of qualification awarded	Baccalaureate
Principal subjects/occupational skills covered	Mathematics and Physics
Name and type of organization providing education and training	“Iulia Hasdeu” National College 91, Ferdinand I Bvd, Bucharest, Romania
Level in national or international classification	ISCED 3

### Personal skills and competences

Mother tongues **Romanian, Aromanian**

Other languages)

Self-assessment

European level (\*)

**English**

**Russian**

**French**

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
<b>English</b>	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user
<b>Russian</b>	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user
<b>French</b>	C1 Basic user	C1 Basic user	B1 Basic user	B1 Basic user	B1 Basic user

(\*) Common European Framework of Reference for Languages

Social skills and competences  
Team work: I have worked in various types of teams both aboard and in Romania (Ph.D. research, 10 research projects as Director or Responsible representing the University of Bucharest)  
Capacity for prediction and planning in complex projects and tasks

Organizational skills and competences  
Self-organizing and other team member coordination skills  
Good experience in team and project management (3 10 research projects as Director or Responsible representing the University of Bucharest)

Technical skills and competences  
Data and image processing  
Familiar with microwave technique

Computer skills and competences  
**Specialized soft**  
ImageJ, PAST, Statistica, Corel suite, Adobe Photoshop, Origin, Matlab, Arduino  
**General soft**  
MS Office, Open Office, Latex  
**Operating systems**  
Windows, Linux

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

**Hobby**

Stamps collecting  
Mountain hiking.

Driving license    B

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**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 rasscepleniya linii EPR iona  $Cr^{3+}$  v  $ZnWO_4$  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. The Superhyperfine structure of  $Fe^{3+}$  in  $ZnWO_4$ . - *physica status solidi (b)*, **57** : K 15 - K 16
4. A.A. BUGAI, O.G. DULIU, B.K. KRULIKOVSKII, A.B. ROITSIN (1973) Proizvleniye efektov nizkoi simmetrii v paramagnitnom rezonanse  $Fe^{3+}$  in  $ZnWO_4$ . - *Fizica Tverdogo Tela* **15** : 2842 - 2843 (in Russian)
5. A.A. BUGAI, O.G. DULIU, B.K. KRULIKOVSKII, A.B. ROITSIN (1974) Efekt nizkoi simetrii 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. VANGHELIE (1996) Some considerations concerning  $^{137}Cs$  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  $CdS:Cr_2O_3$  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 Cemento 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  $^{137}\text{Cs}$  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  $^{228}\text{Ra}$ ,  $^{226}\text{Ra}$  and  $^{40}\text{K}$  and artificial  $^{137}\text{Cs}$  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. M. VELTER-STEFANESCU, O.G. DULIU, V. SANDU (2005)  $\text{Yb}_{2}\text{Cu}_{3}\text{O}_{7-x}:\text{Li}$  superconductor system investigated by direct microwave absorption method– *Journal of Optoelectronics and Advanced materials* **7**, 973- 978
39. M. VELTER-STEFANESCU, O.G. DULIU, N. PREDA (2005) On the relaxation mechanism of some radiation induced free radicals in polymers – *Journal of Optoelectronics and Advanced materials* **7**, 985-990.
40. I. TISEANU, T. CRACIUNESCU, N. B. MANDACHE, O. G. DULIU (2005)  $\mu$ -X-ray computer axial tomography application in life sciences – *Journal of Optoelectronics and Advanced materials* **7**, 1073-1078
41. M. VELTER-STEFANESCU, O.G. DULIU, V. MIHALACHE (2005) Magnetically modulated microwave absorption investigation of  $\text{Bi}_{1.7}\text{Pb}_{0.4}\text{Sr}_{1.5}\text{Ca}_{2.5}\text{Cu}_{3.6}\text{O}_x/(\text{LiF})_y$  Superconducting system – *Journal of Optoelectronics and Advanced materials*, **7**, 1557 – 1561

42. O.G. DULIU, M. VELTER-STEFANESCU (2006) Mn<sup>2+</sup> EPR line shape as a criterion in provenance studies of natural calcium carbonates – *Journal of Optoelectronics and Advanced materials*, **8**, 1557 – 1561.
43. O.G. DULIU, R. GEORGESCU, SHABAN IBRAHIM ALI (2007) EPR investigation of some irradiated traditional oriental spices – *Radiation Physics and Chemistry* **76**, 1031-1036.
44. D.E. SELETSCHI, O.G. DULIU, R. GEORGESCU (2007) EPR investigation of *Rapana Thomasiana* irradiated shell – *Radiation Physics and Chemistry* **76**, 1650 – 1652.
45. 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, DOI: 10.1142/S0217751X08039530
46. 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
47. 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
48. 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
49. 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.
50. 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
51. 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
52. 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
53. 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
54. 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
55. 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
56. 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.
57. 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
58. 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
59. 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
60. 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
61. 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
62. 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
63. 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, DOI: 10.1142/S0217751X11053493

64. 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, DOI: 10.1007/s10921-011-0104-x; WOS:000293648600007
65. N. FLOREA, O.G. DULIU (2011) 18 years of continuous observation of <sup>222</sup>Rn and <sup>220</sup>Rn progenies atmospheric activity – *International Journal of Environmental Radioactivity*, **103**, 14-23, DOI: 10.1016/j.jenvrad.2011.10.002; WOS:000300806000003
66. D.C. NEGUT, V. BERCU, O.G. DULIU (2012) Defects induced by gamma irradiation in historical pigments – *Journal of Cultural Heritage* **13**, 397-403, DOI: 10.1016/j.culher.2012.01.002; WOS:000311021400006
67. 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, DOI: 10.1016/j.foodchem.2012.07.015; WOS:000309786400030
68. 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.
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