



Curriculum Vitae

Informatii personale

Prenume / Nume **Eugenia Dumitra / TEODOR**

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Nationalitate Română

Data nasterii 06 August 1960

Sex Fem

/ Aria de competenta **Bioanalize, bionanotehnologii, arheometrie**

Data 2014-

Pozitia detinuta Cercetator stiintific I

Principale activitati si responsabilitati Activitate de cercetare, leader de grup

Nume si adresa angajator Institutul National de C-D pentru Stiinte Biologice (INSB)
296, Spl. Independentei, 060031 Bucuresti (Romania)

Tip de activitate Cercetare Dezvoltare

Data 2001 -2014

Pozitia detinuta Cercetator stiintific II

Principale activitati si responsabilitati Activitate de cercetare

Nume si adresa angajator Institutul National de C-D pentru Stiinte Biologice (INSB)
296, Spl. Independentei, 060031 Bucuresti (Romania)

Tip de activitate Cercetare Dezvoltare

Data 1998 - 2001

Pozitia detinuta Cercetator stiintific III

Principale activitati si responsabilitati Activitate de cercetare

Nume si adresa angajator Institutul National de C-D pentru Stiinte Biologice (INSB)
296, Spl. Independentei, 060031 Bucuresti (Romania)

Tip de activitate Cercetare Dezvoltare

Data 1991 - 1998

Pozitia detinuta Cercetator stiintific

Principale activitati si responsabilitati Activitate de cercetare

Nume si adresa angajator Institutul National de C-D pentru Stiinte Biologice (INSB)
296, Spl. Independentei, 060031 Bucuresti (Romania)

Tip de activitate Cercetare Dezvoltare

Data 1983 - 1991

Pozitia detinuta Profesor invatamânt preuniversitar

Principale activitati si responsabilitati Activitate didactică

Nume si adresa angajator	Onești (Romania)
Tip de activitate	Educatie
Educatie si pregatire profesionala	
Data	1997 - 2004
Grad de calificare	Doctorat in Biologie
Principala competenta acoperita	Obtinerea , caracterizarea si valorificarea acidului hialuronic din umoarea vitroasa de suine; obtinerea de biomateriale pe baza de acid hialuronic pentru uz biomedical si biotehnologic. Caracterizarea acidului hialuronic si a biopreparatelor bazate pe acid hialuronic (pelicule si nanoparticule) prin metode spectrometrice, cromatografice, electroforetice, microscopie confocala; interactia cu celule normale si tumorale (studii <i>in vitro</i>).Studii preclinice (toleranță cutanată), microscopie și histologie pe animale de laborator.
Numele si tipul organizatiei ce a coordonat activitatea educationala	Universitatea Bucuresti, Facultatea de Biologie Bucuresti (Romania)
Nivel de clasificare internationala /nationala	6
Data	1979 - 1983
Grad de calificare	Licenta
Numele si tipul organizatiei ce a coordonat activitatea educationala	Universitatea Bucuresti, Facultatea de Biologie, Sectia Biochimie Bucuresti (Romania)
Nivel de clasificare internationala /nationala	5
Specializari, cursuri	La activitatea profesionala s-au adaugat o scoala de vara organizata de FEBS cu un instructaj intensiv de structura a proteinelor (Protein Structure, Function and Design) in Spetses, Greece, intre 31 August si 14 Septembrie 1993, si un curs intensiv de cromatografie HPLC (organizat de Universitatea Politehnica Bucuresti si firma ABL&Jasco) intre 23 si 27 iulie, 2001, București.
Abilitati si competente profesionale	
Limba materna	Româna
Alte limbi	
Autoevaluare	
Nivel European (*)	
Engleza	
Franceza	
Competenta organizatorica	Experienta indelungata in activitati de echipă din cele mai timpurii stadii ale carierei; mai mult de 15 ani de conducere a unor echipe de cercetare, de stabilirea unor teluri si a modului de lucru, membru in diverse echipe de cercetare.
Competenta tehnica	Bioanalize
Competente (abilitati) in computing	Abilitati in sisteme de operare comune (word, excel, access, photoshop)

(*) [Common European Framework of Reference \(CEF\) level](#)

Alte competente

Membru in EURACHEM Romania

Membru al Societatii Nationale de Arheometrie din 2011

Membru in American Nano Society din 2010 (<http://members.nanosociety.us/teodor>).

Alte informatii

Recenzor la Reviste ISI: Talanta (2008), Current Nanoscience (2011), Global Analytical Chemistry (2011), Journal of Archaeological Sciences (2013, 2022), Food Analytical Methods (2014-2021), Archaeometry (2014), Journal of Archaeological Reports (2015, 2016, 2021), Journal of Separation Science (2016), Arabian Journal of Chemistry (2017), Molecules (2018-2023), Plants (2020-2024)etc. Membru in Editorial Board la Global Journal of Analytical Chemistry intre 2009-2012

Membru în comisii de doctorat la Universitatea București (Fac. de Biologie), Universitatea Politehnica București (Fac. de Chimie Aplicată și Știința Materialelor) din 2015 -prezent

Lucrări științifice (selectie din 64/41 ISI):

1. ***ED Teodor**, V. Moreanu, GL Radu, 2020, *Lignans from Medicinal Plants and their Anticancer Effect*, Mini-Reviews in Medicinal Chemistry, vol. 20 (12), 1083-1090. DOI: 10.2174/1389557520666200212110513
1. **ED Teodor**, F. Gatea, A. Fica, GL Radu, 2018, *Functionalized magnetic nanostructures for anticancer therapy*, Current Drug Targets, vol. 19 (3), 239-247, DOI:10.2174/1389450117666160208145835
2. O. Ungureanu, F. Gatea, A. M. Seciu, E. D. Teodor, I. M. Nicorescu, G. L. Radu, 2017, *A bioanalytical approach of chemical composition, bioactivity and cytotoxicity of Berteroa incana L. herb*, Natural Product Research, doi:10.1080/14786419.2017.1380014
3. Gatea, F., **Teodor, E.D***, Seciu, A.M., Nagodă, E., Radu, G.L., 2017, *Chemical constituents and bioactive potential of Portulaca pilosa L vs. Portulaca oleracea L.*, Medicinal Chemistry Research, 26, 1526-1537
4. A.O. Matei, F. Gatea, **E.D. Teodor**, GL Radu, 2016, *Tannins analysis from different medicinal plants extracts using MALDI-TOF and MEKC*, Chemical Papers, 70 (4), 515-522. DOI: 10.1515/chempap-2015- 0222
5. F. Gatea, **E. D. Teodor***, A-M Seciu, O. I. Covaci, S. Mănoiu, V. Lazăr, G. L. Radu *Antitumour, antimicrobial and catalytic activity of gold nanoparticles synthesized by different pH propolis extracts*, Journal of Nanoparticle Research, 2015, DOI: 10.1007/s11051-015-3127-x, vol. 17, 7, art. Nr. 320
- 6 **ED Teodor**, F. Gatea, C. Albu, C. Radulescu, A. Chira, GL Radu, *Polyphenols, Radical Scavenger Activity, Short-Chain Organic Acids and Heavy Metals of Several Plants Extracts from 'Bucharest Delta'*, Chemical Papers, 2015, 69, 1582-1590, DOI: 10.1515/chempap-2015-0177
7. G.I. Badea*, Maria C. Caggiani, Philippe Colomban, Annarosa Mangone, **Eugenia D. Teodor**, Eugen S. Teodor, Gabriel L. Radu, *FT-Raman and statistical analysis on thermally altered samples of amber*, Applied Spectroscopy, 2015, 69, 12 DOI: 10.1366/15-07866
8. F. Gatea, **E. D. Teodor***, G. Paun, A. O. Matei, G. L. Radu, *Capillary Electrophoresis Method Validation for Organic Acids Assessment in Probiotics*, Food Analytical Methods, 2015, DOI:10.1007/s12161-014-0018-1
8. F. Gatea, **E. D. Teodor***, A. O. Matei, G. I. Badea, G. L. Radu, *Capillary Electrophoresis Method Validation for 20 Polyphenols Separation in Propolis and Plant Extracts*, Food Analytical Methods, 2015, DOI:10.1007/s12161-014-0006-5
9. **E. D. Teodor**, G. I. Badea, A. Alecu, L. Calu, G. L. Radu, *Interdisciplinary study on pottery experimentally impregnated with wine*, Chemical Papers, 2014, 68 (8) 1022-1029 DOI: 10.2478/s11696-014-0559-1
10. G. I. Truică, N. Ditaranto, M. C. Caggiani, A. Mangone, S. C. Lițescu, **E. D. Teodor**, L. Sabbatini, G. L. Radu, *A multi-analytical approach for characterization of amber*, Chemical Papers, 2014, 68 (1) 15-21, DOI: 10.2478/s11696-013-0415-8
11. E. S. Teodor, I. Petroviciu, G. I. Truică, R. Șuvăilă and **E. D. Teodor***, *The Effect of Accelerated Alteration on the Discrimination between Baltic and Romanian Amber*, Archaeometry, 2014, 56, 3, 460-478. DOI: 10.1111/arcm.12024
12. Truica G. I. **Teodor, E. D***, Teodor E. S. et al., *FTIR and statistical studies on amber artefacts from three Romanian archaeological sites*, Journal of Archaeological Science, 2012, 39, 12, 3524-3533 DOI: 10.1016/j.jas.2012.05.031

13. Truica G. I., **Teodor E. D.**, Litescu S. C. et al., *LC-MS and FT-IR characterization of amber artifacts*, Central European Journal of Chemistry, 2012, 10, 6, 1882-1889 DOI: 10.2478/s11532-012-0103-5
14. **Teodor, E. D.**; Truica, G.; Radu, G. L. *Hyaluronic acid detection from natural extract by diode array-capillary electrophoresis methods*, Revue Roumaine De Chimie, 2012 57, 3, 223-227
15. G.I. Truică, **E.D. Teodor**, E. Dumitru, G.L. Radu, *Quantification of ascorbic acid and B-complex vitamins in corn flour and corn flakes*, Rev. Chim.(Bucharest), 2012, 63, 4, 445-450.
16. S. Peretz, D. F. Anghel, **E.D Teodor**, Ghe. Stanciu, C. Stoian, Ghe. Zgherea, M. Florea-Spiroiu, *Improving the properties of CdS nanoparticles by adding polymers*, Particulate Science and Technology, 2011, DOI: 10.1080/02726351.2010.494707 vol.29 (3), 229-241. (ISSN: 0272-6351)
17. E.S. Teodor, **E.D. Teodor***, M. Virgolici, M.M. Manea, G. Truica, S. C. Litescu, *Non-Destructive Analysis Of Amber Artefacts From The Prehistoric Cioclovina Hoard (Romania)*, J. Archaeol. Sci., 2010, DOI: 10.1016/j.jas.2010.04.011, vol. 37 (10), 2386-2396. (ISSN: 0305-4405)
18. M. Virgolici, I. Petroviciu, **E.D Teodor**, S. Litescu, M. Manea, C. Ponta, C. Sarbu, A. Medvedovici, *TD/CGC/MS and FT-IR Characterization of Archaeological Amber Artefacts from Romanian Collections (Roman age)*, Revue Roumaine de Chimie, 2010, vol. 55, no. 5, 349-355.
19. **E.D Teodor**, S.C. Litescu, A. Neacsu, G. Truica, C. Albu, *Analytical methods to discriminate Romanian Amber and Baltic Amber for archaeological applications*, Central European Journal of Chemistry, 2009, DOI: 10.2478/s11532-009-0053-8, vol. 7, no. 3, 560-568.
20. **E.D Teodor**, S. Lițescu, C. Petcu, M. Mihalache, R. Somoghi, *Nanostructured Biomaterials with Controlled Properties Synthesis and Characterization*, Nanoscale Research Letters, 2009, DOI: 10.1007/s11671-009-9278-x, vol. 4, no. 6, 544-549.
21. **E.D Teodor**, S.C. Lițescu, V. Lazar, R. Somoghi, *Hydrogel-magnetic nanoparticles with immobilized L-Asparaginase for biomedical applications*, J. Mat. Sci. Mat. in Medicine, 2009, DOI: 10.1007/s10856-008-3684-y, vol. 20, no. 6/June, 1307-1314.
22. **E.D Teodor**, G. Truica, I. Lupescu, *The release of L-asparaginase from hydrogel-magnetic nanoparticles*, Rom. Biotechnol. Letters, 2008, vol. 13, nr. 5, p. 3907-3913.
23. **E.D Teodor**, C. Bîrsan, D. Smarandache, R. Penu, G. L. Radu, *Determination of hydrosoluble vitamins content and antioxidant activity of some yeast strains with probiotic potential*, Rev. Chim. (Bucharest), 2007, 58, 12, 1249-1252.
24. **E.D Teodor**, G. L. Radu, C. Dan, G. A. Stanciu, *"Chitosan-hyaluronic acid films for enzyme immobilization studied by Confocal Scanning Laser Microscopy"*, Rev. Chim. (Bucharest), 2006, 57, 2, 211-215.
25. **E.D Teodor**, A. Rugină, G. L. Radu, *"Hydrogel-biomaterials based on polysaccharides for biomedical applications"*, Rev. Chim. (Bucharest), 2005, 56, 12, 1211-1214.

Capitole carte (selectie din 7):

1. **E.D. Teodor**, F. Gatea, G. Badea, A. Matei and G.L. Radu, *Application of Capillary Zone Electrophoresis Methods for Polyphenols and Organic Acids Separation in Different Extracts*, in *Capillary Electrophoresis (CE): Principles, Challenges and Applications*, (Editors: Christian Reed) Nova Science Publishers, NY, ISBN: 978-1-63483-122-2, chapter 11, 2015, pp. 283-308 (SCOPUS)
- 2.S.C. Litescu, **E.D. Teodor**, G.I. Truica, A. Tache and G.L. Radu, *Fourier Transform Infrared Spectroscopy - useful analytical tool for non-destructive analysis*, in *Infrared Spectroscopy - Materials Science, Engineering and Technology*", edited by Theophile Theophanides, IN-TECH, ISBN 978-953-51-0537-4, chapter 18, 2012, p. 353-368. (WEB of SCIENCES)
3. **E.D. Teodor**, S.C. Litescu, C. Petcu, G. L. Radu, *Chitosan Usage in Synthesis of Hydrogel-Biomaterials with Controlled Properties for Biomedical/Biotechnological Applications*, in *Focus on Chitosan Research*, Eds. Arthur N. Ferguson and Amy G. O'Neill, Nova Science Publishers, NY, ISBN: 978-1-61324-454-8, 2011, p. 427-454 (SCOPUS)
4. S. Peretz, **E.D. Teodor**, M. Elisa and B. Savu, *"Investigation on Semiconductor Nanoparticles Prepared in Polymeric Matrices"*, seria "Micro- and Nanoengineering 14, New applications of micro- and nanotechnologies" – Editura Academiei Române, ISBN: 978-973-27-1803-2, 2009, p. 111-130.
5. **E.D Teodor**, W. Buzgariu, A. Rugină, M. Diaconu, G.L. Radu, *"Protease inhibition and antioxidant actions of some aqueous Allium extracts"*, *Innovations in Chemical Biology*, 2009, Şener, Bilge (ed.) 41, Ed. Springer, ISBN: 978-1-4020-6954-3, p.353-361. (WEB of SCIENCES)

Carte

E.D Teodor, C. Petcu, V. Lazăr, "Biomateriale nanostructurate pe bază de nanoparticule magnetice și hidrogel cu aplicații biomedicale", 144 p, ed. Printech Bucuresti 2008, ISBN 978-606-521-094-3

Brevete (selectie din 9):

1. L. Tcacenco, I. Lupescu, C. Stan, **E.D Teodor**, OSIM patent no. RO-122194 din 27.02.2009, file no. a/2002/01545/ din 05.12.2002, title: Vitroceramic composite and process for the immobilization of l-aspartic acid and l-asparagine thereon.
2. **E.D Teodor**, C. Petcu, V. Lazăr, M. Mihalache, OSIM patent no. RO-122017 B1/ 29.11.2008, file no. a/00453/26.06.2007, Biomaterial based on magnetic nano particles and hydrogel consists of chitosan and hyaluronic acid coated products.
3. **E.D Teodor**, L. Tcacenco, L. Moldovan, OSIM patent no. RO-122074 B1 / 30.12.2008, file no. a/00540/15.06.2004, title: Bacteriostatic lyophilized wound healing sponge consists of a chitosan solution and pig glyco proteic extract mixture.
4. L. Tcacenco, R. R. Ghiocel, M. Caloianu, **E.D Teodor**, L. Moldovan, D. Drăguț, OSIM patent no. RO-120361 B1/ 30.12.2005, Heparin affinity support comprises gel form collagen, gold medal at the 50-th Salon Mondial de L'innovation, Eureka, Brussels, 2001.
5. L. Tcacenco, I. Lupescu, **E.D Teodor**, D. Pomponiu, OSIM patent no. RO-122364 B1 /30.04.2009, Immobilization of tripsin on biopolimeric support

Proiecte

- 2010-2011 Responsabil pentru INSB al proiectului de cercetare PN II MAGEPIN
2007 –2010 Responsabil pentru INSB al proiectului de cercetare PN II ROMANIT (www.romanit.ro)
2006 – 2008 Director de proiect CEEX 129/BIONANOMAT (www.bionanomat.ro)
2007-2008 Responsabil pentru INSB al proiectului de cercetare CEEX Biotech 9
2005 -2008 Responsabil pentru INSB al proiectului de cercetare CEEX 51/NANOCRYSTALNET
2001 –2004 Director de proiect PN I Biotech 49
2006-2018 Responsabil de diferite teme/faze in Programul Nucleu (Biostar 106, Biodiv 106)
1991-2022 Participant in diferite alte proiecte de cercetare nationale si internationale.

Semnatura,
Eugenia Dumitra Teodor

