

**FORMAT  
EUROPEAN  
CURRICULUM VITAE**



**INFORMATII PERSONALE**

Nume RADU Gabriel-Lucian

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Nationalitate Romana

Data nasterii

**EXPERIENTA PROFESIONALA**

- Perioada 1980-2009
- Numele si adresa angajatorului Universitatea POLITEHNICA din Bucuresti, Spl.Independentei nr.313, Bucuresti, sector VI
- Tipul activitatii sau Sector de Invatamant superior: Chimie-Chimie analitica si analiza instrumentala
- Functia sau postul ocupat Profesor universitar
- Principalele activitati si Sustinere de cursuri la disciplinele: Controlul calitatii mediului cu metode si tehnici specifice, responsabilitati Controlul calitatii produselor, Monitorizare si caracterizare analitica, Reactivi microanalitici
- Numele si adresa angajatorului Institutul National pentru Stiinte Biologice, Spl.Independentei nr.296, Bucuresti, sector VI
- Tipul activitatii sau Sector de Cercetare - Dezvoltare
- Functia sau postul ocupat CS I, Director stiintific, Director general, Presedintele Consiliului stiintific, Sef departament, Sef centru
- Principalele activitati si Coordonare si management de resurse umane si financiare, Responsabil/Director proiecte responsabilitati

**EDUCATIE SI FORMARE**

- Perioada 1975-1980
- Numele si tipul institutiei de invatamant si al organizatiei Universitatea POLITEHNICA din Bucuresti-Facultatea de Chimie Industriala
- Domeniul studiat/aptitudini Tehnologica compusilor oxidici ocupationale
- Tipul calificarii/Diploma obtinuta Inginer chimist
- Nivelul de clasificare a formei de Invatamant superior instruire/invatamant
- Perioada 1985-1989
- Numele si tipul institutiei de invatamant si al organizatiei Universitatea POLITEHNICA din Bucuresti
- Domeniul studiat/aptitudini ocupationale

formarea profesionala	
• Domeniul studiat/aptitudini ocupationale	Chimie analitica
• Tipul calificarii/Diploma obtinuta	Doctorat: Doctor in stiinta
• Nivelul de clasificare a formei de instruire/invatamant	Specializare superioara
<b>APTITUDINI SI COMPETENTE PROFESIONALE</b>	
Dobandite in cursul vietii si carierei dar care nu sunt recunoscute neaparat printr-un certificate sau o diploma.	
LIMBA MATERNA	romana
LIMBI STRAINE CUNOSCUTE	
	engleza
• abilitatea de a citi	4
• abilitatea de a scrie	4
• abilitatea de a vorbi	3
	franceza
• abilitatea de a citi	5
• abilitatea de a scrie	5
• abilitatea de a vorbi	5
APTITUDINI SI COMPETENTE SOCIALE	Excelenta comunicare, Autocontrol, Invatare si autodezvoltare
APTITUDINI SI COMPETENTE ORGANIZATORICE	Adaptabilitate, Gandire analitica, Lucru in echipa, Cooperare
APTITUDINI SI COMPETENTE TEHNICE	Indemanare, Simt de observatie, Operare rapida computer: Microsoft -Word, Excell, Power Point, Corel, Norton, Origin, ChemDraw
ALTE APTITUDINI SI COMPETENTE	Vioara-Scoala general de muzica
PERMIS DE CONDUCERE	Permis categoria B
	<b>Anexa Lista de lucrari stiintifice</b>

**Cărți :**

1. Tanase, I., **Radu, G.L.**, David, I., 1997, TEHNICI ELECTROCHIMICE ÎN BIOANALIZA, Editura Didactica si Pedagogica, Bucuresti, 337 pagini, ISBN 973-30-5848-3
2. Tanase, I., **Radu, G.L.**, Buleandra, M., Litescu, S., 1998, APLICATII ALE TEHNICILOR DE ELECTROCHIMIE IN BIOANALIZA, Editura ProTransilvania, Bucuresti, 326 pagini, ISBN 973-98548-4-2
3. **Radu, G.L.**, Tanase, I., Baiulescu, G.E., 1998, CURRENT TRENDS IN ANALYTICAL CHEMISTRY, Editura ProTransilvania, Bucuresti, 158 pagini, ISBN 973-98548-1-8
4. Tanase, I., **Radu, G.L.**, David, I.G., 1999, STANDARDIZAREA, ASIGURAREA CALITATII SI ACREDITAREA LABORATOARELOR Editura Universitatii Bucuresti, 385 pagini, 1999, ISBN 973-575-287-5
5. **Radu, G.L.** coordonator, 2001, TENDINTE ACTUALE IN BIOTEHNOLOGIE, Editura ILEX, Bucuresti, 295 pagini, ISBN 973-99015-5-7
6. **Radu, G.L.** coordonator, 2002, PROGRESSE ÎN BIOANALIZĂ, Editura Ars Docendi, Bucuresti, 310 pagini, ISBN 973-558-015-2
7. Nechifor, Cr., Serban, B., Nechifor, Gh., **Radu, G.L.**, 2002, CONTROLUL ANALITIC AL CALITATII MEDIULUI SI AL PRODUSELOR, Editura Printech, Bucuresti, 209 pagini, ISBN 973-652-522-8
8. **Radu, G.L.** coordonator, 2003, TENDINTE ACTUALE IN BIOANALIZA, Editura Printech, Bucuresti, 278 pagini, ISBN 973-652-882-0
9. Nechifor, Gh., **Radu, G.L.**, 2004, TEHNICI EXPERIMENTALE IN ANALIZA CHIMICA, Editura Printech, Bucuresti, 506 pagini, ISBN 973-652-923-1
10. **Radu, G.L.** coordonator, 2004, TEHNICI EXPERIMENTALE IN BIOANALIZA, Editura Printech, Bucuresti, 289 pagini, ISBN 973-718-132-8
11. **Radu G.L.** coordonator, 2005, TEHNICI EXPERIMENTALE IN BIOANALIZA vol.II , Editura Printech, Bucuresti, 252 pagini, ISBN 973-718-373-8
12. **Radu G.L.** coordonator, 2005, ELEMENTE DE BIOELECTROANALIZA, Editura Printech, Bucuresti, 232 pagini, , ISBN 973-718-367-3
13. **Radu G.L.** coordonator, 2006, TEHNICI EXPERIMENTALE IN BIOANALIZA vol.III, Editura Printech, Bucuresti, 227 pagini, ISBN 973-718-539-0
14. David I.G., **Radu G.L.**, 2006, VALIDAREA METODELOR (BIO)ANALITICE Editura Printech, Bucuresti, 183 pagini, ISBN 973-718-568-4
15. **Radu G.L.** coordonator, 2007, TEHNICI EXPERIMENTALE IN BIOANALIZA vol.IV Editura Printech, Bucuresti, 215 pagini, ISBN 973-718-666-9
16. **Radu G.L.** coordonator, 2008, TEHNICI EXPERIMENTALE IN BIOANALIZA, vol.VI , Editura Printech Bucuresti, 164 pagini, ISBN 978-606-521-153-7

**Brevete de inventie :**

1. **Radu G.L.**, Caloianu M., Constantinescu Cr., Bobe Gh., 1986, , nr. 95.356 OSIM.
2. **Radu G.L.**, Caloianu M., Arvanitopol A., Zamfirescu S., Bobe Gh., 1986, Complex colagenic, nr.96.317 OSIM.
3. Constantinescu Cr., **Radu G.L.**, Caloianu M., Gugiu I., 1988, Mediu pentru culturi celulare, nr.97.278 OSIM.
4. **Radu G.L.**, Caloianu M., Ciucu A., Badea I., Magearu V., 1988, Matrice colagenică pentru imobilizari, nr.98.398 OSIM.
5. Suci M., Caloianu M., **Radu G.L.**, Toader G., 1989, Unguent farmaceutic, nr.132.263 OSIM.
6. **Radu G.L.**, Constantinescu Cr., Moldovan D., 1997, Mediu pentru culturi de microorganisme, nr.110828 OSIM.

7. **Radu G.L.**, Caloianu M., Bobe Gh., 1998, Procedeu biotehologic de obtinere a hidrolizatorilor de collagen, nr.111787 OSIM.

#### **Brevete de inovatie :**

1. Gozia O., Ciopraga J., Petrescu A., Schell H., Caloianu M., **Radu G.L.**, 1987, Procedeu de imobilizare a celulelor de *Streptomyces sp.* in vederea folosirii lor la izomerizarea glucozei in fructoza, Certificat inovator nr.699 MI.

#### **Articole stiintifice publicate:**

1. Caloianu, M., **Radu, G.L.**, Anghel, G., 1983, Caracterizarea membranelor pe baza de collagen prin conductie electrica si continut de masa uscata in Chimia si Tehnologia Pieilor, Blanzilor si Inlocuitorilor de Piele (ed. Chirita, Gh.) vol. I, 75-81.
2. Birnescu, R., Lazar, V., **Radu, G.L.**, Puiu, L., 1986, Actiunea lipolitica si proteolitica a unor preparate din speciile *Aspergillus* asupra deseurilor de piele in Microbiologie Industriala si Biotehnologie (ed. N.Topala) vol.V, 271-278.
3. **Radu, G.L.**, Caloianu, M., Ciucu, A., 1987, Collagen, matrice pentru imobilizari, St.cerc. biotehnol., 19, 35.
4. Ciucu, A., **Radu, G.L.**, Caloianu, M., 1987, Senzor enzimatic amino acid sensibil, St.cerc. biochim., 30,177, ISSN 0049-2396.
5. **Radu G.L.**, Caloianu, M., 1987, Collagenul, proteina animala, St.cerc. biochim., 30, 189-204, ISSN 0049-2396.
6. Caloianu, M., **Radu, G.L.**, Petrescu, A., 1987, Collagenii, Bul. SNBC, 12, 25.
7. Caloianu, M., Petrescu, A., **Radu, G.L.**, 1987, Collagenii vertebratelor, Bul. SNBC, 13, 23.
8. **Radu, G.L.**, Caloianu, M., Ciucu, A., 1998, Utilizarea biotehnologica a suporturilor din collagen in Microbiologie Industriala si Biotehnologie (ed. N.Topala) vol.VI, 35-43.
9. **Radu, G.L.**, Ciucu, A., Caloianu, M., 1998, Suport collagenic pentru imobilizarea produselor biologice active in Microbiologie Industriala si Biotehnologie (ed.N. Topala) vol. VI, 45-49.
10. **Radu, G.L.**, Caloianu, M., 1998, Metode de caracterizare a collagenului, St.cerc. biochim., 31,171-182, ISSN 0049-2396.
11. **Radu, G.L.**, Caloianu, M., Ciucu, A., 1998, Characterisation by IEF of collagen extracted from bovine derm, Rev. roum. Biochim., 25,159-164. ISSN 0001-4314.
12. Ciucu, A., Magearu, V., Ciucu, N., **Radu, G.L.**, 1998, Determinarea amperometrica a glucozei din medii biologice, St.cerc.biochim., 31,125, ISSN 0049-2396.
13. Ciucu, A., Ciucu, N., **Radu, G.L.**, 1988, Enzyme electrode for glucose, Rev.roum. Biochim., 25,9, ISSN 0001-4314.
14. **Radu, G.L.**, Caloianu, M., Baiulescu, G.E., 1988, Characterisation of matrixes resulted after the combination of several varieties of collagen, FECS, 9, 217.
15. **Radu, G.L.**, Caloianu, M., Tanase, A., Todor, D., 1998, Caracterizarea biopolimerului collagen prin analiza termica, St.cerc. biotehnol., 20, 96-104.
16. **Radu, G.L.**, Caloianu, M., Scripcariu, D., Ciucu, A., 1989, Detectarea modificarilor suferite de collagen in urma extractiei, St.cerc. biochim., 32, 175-177, ISSN 0049-2396.
17. **Radu, G.L.**, Neagu, A., Caloianu, M., Calin, G., 1989, Studii analitice asupra collagenilor de uz farmaceutic, Farmacia, 3, 145-150.
18. **Radu, G.L.**, Caloianu, M., 1989, Biomateriale collagenice, St.cerc.biotehnol., 21, 99-104.
19. Radu, G.L., Stefanescu, M., Szegli,

- G.,1990, Method for microanalytical determination of collagen by ELISA, Rev.roum.Biochim., 27, 123-127, ISSN 0001-4314.
19. **Radu, G.L.**, Tanase, A., Caloianu, M., Todor, D., 1991, Structural differences of some biomaterial based on collagen, Rev. roum. .Chim., 36(11-12), 2261, ISSN 0035-3930. 21.Radu, G.L, Baiulescu, G.E.,1991, Studiul collagenului cu ajutorul tehnicilor electrometice, Bul. SNBC, 19, 57.
  20. **Radu, G.L.**, Coulet,P.R.,1992, Sensitive enzyme-electrode for L-amino acids, Rev. roum. Biochim., 29, 239, ISSN 0001-4314.
  21. Baiulescu, G.E., **Radu, G.L.**, 1992, Analytical Chemistry in Romania Trends Anal. Chem., 11(9) 8, ISSN 0165-9936.
  22. **Radu, G.L.**, Coulet, P.R.,1993, Characteristics and performances of a novel L-amino acids enzyme electrode, Analusis, 21,101-105, ISSN 0365-4877.
  23. **Radu, G.L.**, Baiulescu, G.E.,1993, Surface analysis of collagen membranes by X-ray photoelectron spectroscopy, J. Mol. Struct., 293, 265-268, ISSN 0022-2860.
  24. **Radu, G.L.**, Coulet, P.R.,1993, Amperometric peptide sensor for protein determination, Anal. Lett., 26(7), 1321-1332, ISSN 0003-2719.
  25. **Radu, G.L.** ,1993, Biosenzorii in controlul analitic al proceselor biotehnologice, Bul. SNBC, 21, 22. 28.Caloianu, M., Radu, G.L,1994, Colagenul-proteina structurala majora a organismului animal cu posibilitati aplicative multiple, Bul. ARBA, 1, 27-30, ISSN 1222-4812.
  26. **Radu, G.L.**, Coulet, P.R.,1994, Biosenzori-Principii si utilizari in biotehnologie, Bul. ARBA, 1, 31-34, ISSN 1222-4812.
  27. **Radu, G.L.**, Diaconescu,V., Baiulescu, G.E., 1994, Investigation of electrochemical characteristics of type I collagen, Rev. roum. Biochim., 31, 177-182, ISSN 0001-4314.
  28. **Radu, G.L.**, Baiulescu,G.E., 1995, Some aspects of the sampling process, Romanian Chemical Quaterly Reviews, 3(3), 263-274.
  29. Tanase, I.Gh., David, I.G., **Radu, G.L.**, Iorgulescu, E.E., Magearu, V., 1996, Optimised electroanalysis of tetracycline by alternating current polarography, Analusis, 24, 281-284, ISSN 0365-4877.
  30. **Radu, G.L.**, 1996, Enzyme sensors for biotechnological use, Roum. Biotechnol. Lett., 1(1), 3-13, ISSN 1224-5984.
  31. Bala, C., **Radu, G.L.**, Gheorghe, D., Magearu, V., 1997, Determination of cholesterol with a nafion - polypyrrole - modified biosensor, J. Med. Biochem, 1(1), 47-54, ISSN 1453-1321.
  32. **Radu, G.L.**, Baiulescu, G.E., 1997, The beginnings of analytical chemistry in Romania, Fresenius J. Anal. Chem., 357, 189-190, ISSN 0937-0633.
  33. Litescu, S., **Radu, G.L.**, 1997, Some biochemical characteristics of natural antioxidants, J. Med. Biochem., 1(3), 207-218, ISSN 1453-1321.
  34. Bala, C., **Radu, G.L.**, Gheorghe, D.E., Rotariu, L.D., Magearu, V., 1997, Electrochemical characterization of a polimer-modified biosensor for cholesterol, J. Med. Biochem., 1(5-6), 4-9, ISSN 1453-1321.
  35. Tanase, I., David, I., **Radu, G.L.**, Litescu, S., 1997, Electroanalysis of amino acids, peptides and proteins-classical and modern polarographic techniques, Roum. Biotechnol. Lett., 2(4), 279-295, ISSN 1224-5984.
  36. Bigan, C., **Radu, G.L.**, 1998, Artificial intelligence based methods for human EEG recordings analysis, J. Med. Biochem, 2(1), 44-50, ISSN 1453-1321.
  37. Ilie, V.A., **Radu, G.L.**, Aboul-Enein, H.Y., 1998, Aminosilica chemically modified with dodecamolybdophosphoric acid as stationary phase in high-performance liquid chromatography, J. Chromatography A, 796, 259-264, ISSN 0021-9673.
  38. Tanase, I., David, I., **Radu, G.L.**, 1998, Electroanalysis of some biologically important compounds by voltammetric techniques, J. Med. Biochem., 2(3), 209-224, ISSN 1453-1321.

39. Tanase, I.G., David, I.G., **Radu, G.L.**, Iorgulescu, E.E., Litescu, S., 1998, Electrochemical determination of minocycline in pharmaceutical preparations, *Analisis*, 26, 175-179, ISSN 0365-4877.
40. Stefan, R.I., Enein, H.Y., **Radu, G.L.**, 1998, Biosensors for the enantioselective analysis of s-enalapril and s-ramipril, *Prep. Biochem. Biotechnol.*, 28(4), 305-312, ISSN 1082-6068.
41. David, I., Tanase, I., **Radu, G.L.**, 1998, Electroanalysis of some biologic active substances, in *Current Trends in Analytical Chemistry* (eds. Radu, G.L., Tanase, I., Baiulescu, G.E.) vol.1, 41-47, ISBN 973-98548-1-8.
42. Stefan, R., **Radu, G.L.**, Aboul-Enein, H.Y., Baiulescu, G.E., 1998, The opportunity to use amperometric biosensors for enantioselective analysis of angiotensine converting enzyme inhibitors, in *Current Trends in Analytical Chemistry* (eds. Radu, G.L., Tanase, I., Baiulescu, G.E.) vol.1, 135-138, ISBN 973-98548-1-8.
43. Aboul-Enein, H.Y., Stefan, R.I., **Radu, G.L.**, Baiulescu, G.E., 1999, The construction of an amperometric immunosensor for the thyroid hormone (+)-3,3',5-triiodo-L-thyronine (L-T3), *Anal. Lett.*, 32(3), 447-455, ISSN 0003-2719.
44. Tanase, I., David, I.G., Iorgulescu, E.E., Cristache-Savu, M., **Radu, G.L.**, 1999, Minocycline-sensitive potentiometric sensor based on PVC membrane, *J. Med. Biochem.*, 3(2), 149-158, ISSN 1453-1321.
45. Aboul-Enein, H.Y., Stefan, R.I., **Radu, G.L.**, 1999, Biosensor for the enantioselective analysis of S-perindopril, *Prep. Biochem. & Biotechnol.*, 29(1), 55-61, ISSN 1082-6068.
46. Buleandra, M., Tanase, I., **Radu, G.L.**, 1999, Se (IV) determination in natural mineral water springs by eletrochemical methods, *J. Med. Biochem.*, 3(1), 25-33, ISSN 1453-1321.
47. Aboul-Enein, H.Y., Stefan, R.I., **Radu, G.L.**, 1999, Biosensor for enantioselective analysis of S-cilazapril, S-trandolapril and S-pentopril, *Pharma.Develop.Technol.*, 4(2), 251-255, ISSN 1083-7450.
48. Craciunescu, O., **Radu, G.L.**, 1999, New approaches in biochemistry and pathological implications of elastin, *J.Med.Biochem.*, 3(3), 221-237, ISSN 1453-1321.
49. Tanase, I., David, I., Fleschin, S., Buleandra, M., **Radu, G.L.**, 1999, Interactions of bilirubin with metals ions. A polarographic approach, *J.Med.Biochem.*, 3(4), 355-362, ISSN 1453-1321.
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51. Bala, C., **Radu, G.L.**, 2000, Development and applications of biosensors for amino acids analysis in food, *Roum.Biotech.Lett.*, 5(1), 1-9, ISSN 1224-5984.
52. Tanase, I., Cristache-Savu, M., Scarlat, A., Popescu, I.L., **Radu, G.L.**, 2000, Doxyciline sensitive potentiometric sensor based on PVC membrane, *Roum.Biotechol.Lett.*, 5(2), 139-146, ISSN 1224-5984.
53. Petre, M., **Radu, G.L.**, Zarnea, G., Adrian, P., Teodorescu, A., Gheorghiu E., 2000, Fungal protein synthesis by using immobilized species of *Pleurotus*.II Protein rich feed (PRF) from cellulose wastes of wine producing industry, *Roum.Biotechnol.Lett*, 5(4), 291-297, ISSN 1224-5984.
54. Tanase, I., Tolea, T., David, I.G., **Radu, G.L.**, 2000, Psychotropic Substances.1.History, pharmacological aspects, classification, *Roum.Biotechnol.Lett*, 5(4), 233-256, ISSN 1224-5984.
55. Tanase, I., Iorgulescu, E., Litescu, S., **Radu, G.L.**, Buleandra, M., 2000, Study of bilirubin redox processes in aprotic conditions-an experimental

model for compound's action, Roum.Biotech.Lett.,5(5), 365-371, ISSN 1224-5984.

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57. Craciunescu, O., **Radu, G.L.**, 2000, Metode de izolare, purificare si analiza a elastinei, in Noutati in biotehnologie (ed.I.Dumitru), Editura Ilex, Bucuresti, 119-166, ISBN 973-99015-1-4.
58. Buleandra, M., **Radu, G.L.**, Tanase, I., 2000, Aspecte privind interactia dintre cationii metalici si moleculele organice de interes biologic, in Noutati in biotehnologie (ed.I.Dumitru), Editura Ilex, Bucuresti, 237-302, ISBN 973-99015-1-4.
59. Litescu, S., **Radu, G.L.**, Diaconu, M., 2001, Antioxidative power evaluation of some phenolic antioxidants - electroanalytical approach, Electroanalysis, 13(8-9), 2205-2208, ISSN 1040-0397.
60. Tanase, I., David, I., Cercasov, C., Iorgulescu, E., Galie, L., **Radu, G.L.**, 2001, Electrochemical behaviour and electroanalysis of thioamides, Roum.Biotechnol.Lett, 6(2), 81-109, ISSN 1224-5984.
61. Litescu, S., David, I., **Radu, G.L.**, Aboul-Enein, H., 2001, Voltammetric determination of coenzyme Q10 at a solid glassy carbon electrode, Instrum.Sci.Technol.,29(2), 109-116, ISSN1073-9149.
62. Tolea, T., Tanase, I., David, I., Buleandra, M., **Radu, G.L.**, 2001, The influence of the receptors concentration in the membrane on its sensitivity, Roum.Biotechnol.Lett., 6(6), 507-511, ISSN 1224-5984.
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64. Bala, C., **Radu, G.L.**, Palleschi, G., 2001, Electrochemical characterization and development of polymer modified biosensors, UPB Sci.Bull, Serie B, 63(3), 353-360, ISSN 1454-2331.
65. David, I., Iorgulescu, E., David, V., **Radu, G.L.**, 2001, Voltammetric determination of some antibiotics, UPB Sci.Bull, Serie B, 63(3), 361-368, ISSN 1454-2331.
66. Tanase, I., Buleandra, M., Iorgulescu, E., **Radu, G.L.**, 2001, The determination of molybdenum by catalytic polarography and adsorptive stripping voltammetry, UPB Sci.Bull, Serie B, 63(3),19-28, ISSN 1454-2331.
67. Popescu, I.L., Aboul-Enein, H.Y., Napradean, D.V., **Radu, G.L.**, Tanase, I., 2001, Plans for implementation of a quality system in the control laboratory of the Romanian National Medicines Agency, Accred.Qual.Assur., 6, 376-378, ISSN 0949-1775.
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69. Litescu, S., Cioffi, N., Sabbatini, L., **Radu, G.L.**, 2002, Study of phenol-like compounds antioxidative behaviour on low-density lipoprotein gold modified electrode, Electroanalysis, 14(12), 858-865, ISSN 1040-0397.
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