

Curriculum Vitae

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Adresa :

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Pozitia actuala : Lector doctor- Catedra de Chimie Analitica , Facultatea De Chimie, Universitatea Din Bucuresti

Activitatea didactica:

- Metode instrumentale de analiza. Metode spectrometrice Anul III sectia Chimia mediului, (2002-2004);
- Chimie analitica cantitativa . Anul II sectia Chimie (2006), anul I sectia Chimie-Fizica (2005),
- Chimie analitica . Analiza cantitativa. Anul I Chimie –Bologna (2008);
- Controlul analitic al poluantilor, anul I master sectia Controlul calitatii mediului (2007-2009)

Domenii de cercetare :

- metode electrochimice si spectrometrice aplicate in studiul si analiza unor compusi de importanta biologica si farmaceutica:
- caracterizarea electrochimica a complexilor metalici ;
- dezvoltare, caracterizare si testare senzori si biosenzori

Afilieri:

- Membru Societatea de Chimie Analitica din Romania
- Membru al Societatea de Electrochimie din Romania

Specializari :

-septembrie 2003- martie 2004 bursa post doctorat in cadrul proiectului european “*Novel Technology for Controlling Wine production and Quality*” (NOVTECH), HPRN-CT-2002-00186 , la Universitatea Tor Vergata, Roma , Italia

Premii :

1995- “Diplome d’honneur” la al IV-lea simpozion international “Diversite du development de organisms-source de creativite et de valorization biotechnologique et socio-economique“ pentru cea mai buna lucrare prezentata de un tanar cercetator.

Capitol carte

Determinarea electroanalitica a unor porfirine si pigmenti biliari, **E. E. Iorgulescu**, I. G. David, I. Tanase, V. David, G.L. Radu, in "Tendinte actuale in bioanaliza", (Ed. G.L. Radu) Ed. Printech, Bucuresti, 2003, p.IV.190-IV.215.(ISBN 973-652-882-0).

Lucrari ISI

1. *Electroanalysis of Tetracycline by AC Polarography*, Ion. Gh. Tanase, Iulia Gabriela. David, Gabriel Lucian. Radu, **Emilia-Elena Iorgulescu**, Vasile Magearu, **Analisis**, 24, pg.281-284, **1996**
2. *Electrochemical determination of minocycline in pharmaceutical preparations*, Ion. Gh. Tanase, Iulia Gabriela. David, Gabriel Lucian. Radu, **Emilia-Elena Iorgulescu**, Simona Carmen Lițescu, **Analisis**, 26, pg. 175-179, **1998**
3. *Differential pulse cathodic stripping voltammetric determination of selenium in pharmaceutical products*, Anca Iulia Stoica, Gabriela Babaua, **Emilia-Elena Iorgulescu**, Daniela Marinescu, George-Emil Baiulescu, **J. Pharm. Biomed. Anal.**, 30(4), pg. 1425 – 1429, **2002**
4. *Synthesis, thermal behaviour and spectrometric characterization Ni(II) complexes with ligands resulted in condensation of N, N-dimethylbiguanide and phentane -2,4-dione*”, R. Olar, M. Badea, D. Marinescu, **E. Iorgulescu**, S. Stoleriu, **Journal of Thermal Analysis and Calorimetry**, Vol. 80, 363-367, **2005**.
5. *Extrapolations by multiple regressions of the retention paramaters for several aromatic hydrocarbons in reversed-phase liquid chromatography*, Victor David, **Elena-Emilia Iorgulescu** , Andrei Medvedovici , **Revue Roumaine de Chimie**, 51(7-8), 803-809, **2006**.
6. *Characterization of some polysiloxanes containing nucleobases and azobenbenze groups in their side-chain or crown azo-ether within polymeric chains by means of negative-ionization mass spectrometry with atmospheric pressure chemical ionization*, Nicolae Hurduc, ramona Enea, Ioana Mileavin, **Elena-Emilia Iorgulescu**, Victor David, **Revue Roumaine de Chimie**, 53(9), 777-785, **2008**.

Articole non ISI:

1. *Minocycline-Sensitive Potentiometric Sensor based on PVC Membrane*, Ion. Gh. Tanase, Iulia Gabriela. David, **Emilia-Elena Iorgulescu**, Mihaela Cristache-Savu, Gabriel Lucian. Radu, **J. Med. Biochem.**, **1999**, 3(2), pg. 149-158
2. *Electrochemical Analysis of Tetracycline Antibiotics*, Iulia Gabriela. David, Ion. Gh. Tanase, **Emilia-Elena Iorgulescu**, Vasile David, Vasile Magearu, Roum. Chem.Quatterly Rev., **1999**, 792, pg. 95-103
3. *Study of Bilirubin Processes in Aprotic Conditions*, Ion. Gh. Tanase, **Emilia-Elena Iorgulescu**,

- Simona Carmen Lițescu, Gabriel Lucian. Radu, Mihaela Buleandă, **Roum. Biotech. Lett.**, **2000**, 5(5), pg. 265-371
4. *Electrochemical Behaviour and Electroanalysis of Thioamides*, , Ion. Gh. Tanase, Iulia Gabriela David, Cornelia Cercasov, **Emilia-Elena Iorgulescu**, Louciana Gălie, Gabriel Lucian. Radu, **Roum. Biotech. Lett.**, **2001** 6(3), (Review)
 5. *Complexes with dioxygen as ligand. III. Cobalt complexes with the Schiff derived from 1-formyl-2-naftol and ethylenediamine*, Dana Marinescu, Anca Nicolae, Mihaela Badea, Rodica Olar, **Emilia Elena Iorgulescu**, Carmencita Ciomaga, **Anal. Univ. Buc.**, (serie nouă), **2002**, II, pg. 56-62
 6. *Aspecte metrologice legate de masurarile in laboratoarele fizice, chimice, biologice si clinice*”, I. G. David, **E. E. Iorgulescu**, **Buletin Informativ EURACHEM-Romania** , 6, 7-13, 2003
 7. *The adsorbtion of heavy metal ions on porous calcium alginate microparticles*, I. Nita, **M. Iorgulescu**, M.Florea Spiroiu, M. Ghiurea, C. Petcu, Otilia Cinteza, **Anal. Univ. Buc.**, Vol I , **2007**, p. 59-68

Lucrari mentionate in baze de date internationale:

1. I.G. David, **Emilia-Elena Iorgulescu**, I.Gh. Tanase “*Tetracycline Sensitive Electrode with PVC Membrane*” The XIth Conference of Chemistry and Chemical Engineering, Bucharest **1997**, volume III, 4.210 – 4.260.
2. **Emilia-Elena Iorgulescu**, S. Litescu, M. Buleandra, I.G. David, G.L.Radu, I.Tanase,"*Voltammetric behaviour of bilirubin at glassy carbon millielectrode in DMF*", The 11-th Romanian International Conference on Chemistry and Chemical Engineering, Bucharest, September 30 – October 2, **1999**.
3. **Emilia-Elena Iorgulescu**, I.Tanase, "*AdSV determination of bilirubin from biological sample*", 12th Romanian International Conference on Chemistry and Chemical Engineering, Bucharest, September 13 – 15, **2001**, *U.P.B. Sci. Bull., Series B: Chemistry and Materials Science*, Vol. 63(1), 361-368, 2001. (proceeding)
4. Iulia-Gabriela David, **Emilia-Elena Iorgulescu**, V. David, G.L. Radu, "*Voltammetric determination of some antibiotics*", 12th Romanian International Conference on Chemistry and Chemical Engineering, Bucharest, September 13 – 15, **2001**.) *U.P.B. Sci. Bull., Series B: Chemistry and Materials Science*, Vol. 63(1), 361-368, 2001. (proceeding)
5. M. Simion, **E. E. Iorgulescu**, I Kleps, M. Miu, A. Angelescu, A. Bragaru “*Micro and nanoelectrode calibration for voltammetric measurements*”, CAS 2002 Proceedings, vol. 1, 25th edition, oct. 8-12, **2002**, p 123-127.