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Data și locul nașterii 31 martie 1946 Șoarș (Brașov)
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Afiliere Societatea de Chimie din România,
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Absolvent al liceului “Radu Negru” din Fagaras (1959 - 1963);

Absolvent al Facultatii de Chimie, Universitatea din Bucuresti (1963 – 1968);

Doctor in chimie din 1974;

Profesor din anul 1994.

Domenii de competență

- metode spectrometrice, electrochimice si chemiluminometrice de analiza pentru controlul poluarii mediului si analiza unor compusi de interes biochimic;
- analiza in flux si prin injectare in flux;
- instrumentare si automatizare in chimia analitica; analiza instrumentala;
- senzori chimici si biochimici;
- cursuri postuniversitare de perfectionare in domeniul monitorizarii poluarii mediului si al eticii mediului: www.unibuc.ro/hosting/leonardo www.env-ethics.com

Activitate didactica

- Licenta, cursuri: “Analiza instrumentala” pentru domeniile Chimie si Chimia mediului; “Metode de separare in biochimie” pentru domeniul Biochimie Tehnologica.
- Master, cursuri: “Automatizarea in chimia analitica” si “Parametrii operationali ai metodelor de analiza si control” la masterul: *Optimizarea controlului chimico-analitic si asigurarea calitatii*; “Metode de analiza in flux bazate pe biosenzori” si “ Metode electrochimice moderne” la masterul: *Biosenzori*; “Instrumentare, automatizare si analiza in flux” la masterul: *Poluarea chimica si mediul*.

Conducere de doctorat: din anul 1990, 10 teze sustinute pana in prezent.

Activitate stiintifica

- 95 lucrari publicate in reviste cotate ISI; 24 de lucrari publicate in reviste non-ISI;
- 1 capitol intr-o enciclopedie de chimie publicata in strainatate (in doua editii);
- 36 carti/ capitole de carti publicate in tara;
- 4 brevete de inventie;
- Peste 110 comunicari la manifestari stiintifice din tara si din strainatate;
- Coordonator al unui proiect european din cadrul programului Leonardo (www.unibuc.ro/hosting/leonardo/);
- Coordonator al echipei de la UB pentru realizarea a trei proiecte de cercetare europene in cadrul FP-4 si FP-5 (www.emecap.com) un proiect Socrates si unul de tip Leonardo (www.env-ethics.com);
- Coordonator la numeroase proiecte de cercetare si granturi finantate de CNCSIS; Academia Româna, MCT, ANSTI, MECl etc.

- Hirsch index, $h = 10$; 212 citari in reviste cotate ISI (fara autocitari) in ultimii cinci ani (2006 – 2010).

- Director al Centrului de cercetari Metode Automate de Analiza, de pe langa Facultatea de Chimie.

Specializari

- la Universitatea din Valencia (1993, 1997, 1999). Specializare in domeniul metodelor automate de analiza in flux;
- la Universitatea din Cordoba (1993). Specializare in domeniul metodelor de analiza prin injectare in flux si al folosirii aparaturii analitice controlate de calculator;
- la Universitatea din Perpignan (1996) si la Universitatea din Lund (1997). Specializare in domeniul biosenzorilor;
- la Universitatea "Tor Vergata" din Roma (1996). Specializare in domeniul biosenzorilor si al determinarii contaminantilor in alimente;
- Profesor invitat la Universitatea "Tor Vergata" din Roma in iulie 2001.

Membru in Editorial Boards al revistelor: - American Journal of Biomedical Sciences;
- Revista de Chimie.

Referent la: Revista de Chimie, Revue Roumaine de Chimie, Journal of Agricultural and Food Chemistry, Talanta, Acta Chimica Slovenica, Analytica Chimica Acta etc.

Evaluator la:

- programele europene INTAS si SEE-ERA NET.
- proiecte ale CNCSIS, Academiei Române, AMCSIT; cele mai recente: programul PN II (2008), POSCCE-A2-O2.3.1-2008-1 (2009) si CNCSIS (Resurse umane, 2010).

Articole ISI

1. C.V. Popa, L. Lungu, M. Savoiu, C. Bradu, V. Dinoiu, A. F. Danet, 2011, "Total Antioxidant Activity, Phenols and Flavonoids Content of Several Plant Extracts", *Int. J. Food Prop.*, publicat on line 23 februarie 2011. DOI: 10.1080/10942912.2010.498545
2. C.V. Popa, I. Dumitru, L. Ruta, A.F. Danet, I.C. Farcasanu, 2010, "Exogenous Oxidative Stress Induces Ca^{2+} Release in the Yeast *Saccharomyces cerevisiae*", *FEBS J.*, **277**, pp. 4027 – 4038.
3. C. V. Popa, A. F. Danet, S. Jipa., T. Zaharescu, 2010, "Determination of Total Antioxidant Activity of Wines using a Flow Injection Method with Chemiluminescence Detection", *Rev. Chim.(Bucharest)*, **61**, p.11.
4. L. Lungu, C.V. Popa, M. Savoiu, A.F. Danet, V. Dinoiu, 2010, "Antioxidant Activity of *Brassica Oleracea* L., *Allium Cepa* L, and *Beta Vulgaris* L. Extracts", *Rev. Chim. (Bucharest)*, **61**, p. 911.
5. S. L. Badea, C. Vogt, St. Weber, A. F.Danet, H. H., Richnow, 2009, "Stable Isotope Fractionation of gamma-Hexachlorocyclohexane (Lindane) during Reductive Dechlorination by Two Strains of Sulfate-Reducing Bacteria", *Environ. Sci. Technol.*, **43**, pg. 3155-3161.
6. A.F. Danet, M.C. Bratu, M.C. Radulescu, A. Bratu, 2009, "Portable Minianalyzer Based on Cold Vapor Atomic Absorption Spectrometry at 184.9 nm for Atmospheric Mercury Determination", *Sensors Actuat. B*, **137**, pg. 12-16.
7. A.M. Pisoschi, M.C. Cheregi, A.F. Danet, 2009, "Total Antioxidant Capacity of Some Commercial Fruit Juices: Electrochemical and Spectrophotometrical Approaches", *Molecules*, **14**, 480-493.
8. Jipa, S., Zaharescu, T., Kappel. W., Danet, A.F., Popa, C.V., Bumbac, M., Gorghiu, L.M., Maris, A.M., 2009, "The Effects of gamma-irradiation on the Antioxidant Activity of Rosemary Extract", *Optoelec. Adv. Mat. Rapid Comm.*, **3**, 1315 - 1320.
9. A.M. Pisoschi, A.F. Danet,, S. Kalinowski, 2008, "Ascorbic Acid Determination in Commercial Fruit Juice by Cyclic Voltammetry", *J. Autom. Method Manag.*, Volume 2008, Article ID937651, doi:10.1155/2008/937651.
10. M.C. Radulescu, A.F. Danet, 2008, "Mercury Determination in Fish Samples by Chronopotentiometric Stripping Analysis Using Gold Electrodes Prepared from Recordable CDs", *Sensors*, **8**, 7157-7171.
11. A.F. Danet, M.C. Rizea, S. Kalinowski, 2007, "Determination of Mercury(II) after its Preconcentration on a Carbon Paste Electrode Modified with Cadion A", *Rev. Chim. (Bucharest)*, **58**(3) pg. 266 – 269.
12. M.C. Rizea, M.C. Bratu, A.F. Danet and A. Bratu, 2007, "Determination of Mercury in Fish Tissue Using a Minianalyzer Based on Cold Vapor Atomic Absorption Spectrometry at the 184.9 nm Line", *Anal. Sci. (Japan)* **23**, pg. 1121 – 1125.
13. M.P. Bucur, A.F. Danet, J.L. Marty, 2006, "Ameliorarea limitelor de detectie ale biosenzorilor bazati pe acetilcolinesteraza prin utilizarea unei enzime extrase din *Drosophila melanogaster*", *Rev. Chim.(Bucharest)*, **57**(8) pg. 785 – 789.
14. M.C. Bratu, M. C. Rizea, A.F. Danet si A. Bratu, 2006, "Metoda optimizata de mineralizare a probelor de sange urmata de determinarea mercurului prin

- spectrometrie de absorbtie atomica cu vapori reci la 184,9 nm”, *Rev. Chim. (Bucharest)*, **57**(5) pg. 453-458.
- 15.R. Setnescu, S. JIPA, T. Setnescu, A. F. Danet, M. Dondoï, M. Dumitru, 2006, “Polymer films doped with colorants as oxygen sensitive materials”, *J. Optoelectron. Adv. M.*, **8**(2) pg. 682-686.
 - 16.B. Bucur, D. Fournier, A.F. Danet, J.L. Marty, 2006, “Biosensors Based on Highly Sensitive Acetylcholinesterase for Enhanced Carbamate Insecticides Detection”, *Anal. Chim. Acta*, **562**(1) pg. 115-121.
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 - 21.A.I. Chivulescu, A.F. Danet, S. Kalinowschi, 2005, “Determination of Hydrogen Peroxide and Ampicillin Using a Flow Injection Analysis Method with Chemiluminescence Detection”, 2005, *Rev. Chim. (Bucharest)*, **56**(7) pg. 695-698.
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53. M. Burguera, J.L. Burguera si A.F. Danet, 1998, "On-line Total Arsenic Determination in Urine and Geothermal Fluids by Flow Injection Hydride Generation Atomic Absorption Spectrometry with Microwave Oven Sample Mineralization/oxidation", *Rev. Roum. Chim.*, **43**(4) pg. 301-309.
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