

Anca-Iulia STOICA

Data nașterii: 12 ianuarie 1972

Specializări:

12 mai – 9 iunie 2003- bursa UNESCO, UNESCO Laboratory of Environmental Electrochemistry, Department of Analytical Chemistry, Charles University, Prague, Czech Republic, electrozi pastă de cărbune

17 noiembrie – 14 decembrie 2003- bursa UNESCO, UNESCO, Laboratory of Environmental Electrochemistry, Department of Analytical, Chemistry, Charles University, Prague, Czech Republic, electrozi pastă de cărbune

2 mai – 26 iunie 2005- bursa UNESCO, UNESCO Laboratory of Environmental Electrochemistry, Department of Analytical Chemistry, Charles University, Prague, Czech Republic, electrozi pastă de cărbune

16 ianuarie – 16 aprilie 2007- bursă la Università degli Studi di Firenze, Dipartimento di Chimica, Italy, imunosensori;

1 noiembrie 2007- 31 octombrie 2008, Sabatical year la Institut de Ciència de Materials de Barcelona, Barcelona, Spain, știința materialelor, electrochimie

Poziția actuală: lector dr.

Domenii de competență:

- Controlul calitatii mediului;
- Metode electrochimice de analiza (Sensori, biosensori, imunosensori)
- Metode spectrometrice de analiza

Activitate didactică: Cursuri: Separarea și concentrarea poluanților

Metode de determinare a constantelor analitice

Calitate și fiabilitate

Referent la reviste de specialitate: Analytica Chimica Acta, Talanta, International Journal of Environmental Analytical Chemistry

Evaluator: membru în juriu la „Cupa SIVECO 2006”

Afilieră: Societatea de Chimie Analitică din România, Societatea de Electrochimie din România

Lista articolelor ISI

1. *Analytical Studies on the Pollution of Argeș River*

Anca-Iulia Stoica

Crit. Rev. Anal. Chem., 29 (3), 243-247, **1999**.

2. *Analytical Studies on the Pollution of Argeș River*

Anca-Iulia Stoica, George-Emil Baiulescu, Hassan Y. Aboul-Enein *Toxicol.&Environm.*

- Chem.*, 77, 143–149, **2000**.
3. ***Determination of copper, cadmium, zinc and lead in Arges River in Romania during four seasons by Inductively Coupled Plasma Atomic Emission Spectrometry and Anodic Stripping Voltammetry***
Anca-Iulia Stoica, P. Capota and George-Emil Baiulescu
Anal. Lett., 33 (14), 3025–3035, **2000**.
4. ***Personality in Science of Professor George-Emil Baiulescu***
Anca-Iulia Stoica
Anal. Lett., 34 (9), ix–xiv, **2001**.
5. ***Differential pulse cathodic stripping voltammetric determination of selenium in pharmaceutical products***
Anca-Iulia Stoica, Gabriela-Raluca Babaua, Emilia-Elena Iorgulescu, Daniela Marinescu and George-Emil Baiulescu
J. Pharm. Biomed. Analysis, 30, 1425–1429, **2002**
6. ***Education by Teaching Analytical Chemistry in Romania***
George-Emil Baiulescu and Anca-Iulia Stoica
Mikrochim. Acta, 142 (3), 187-188, **2003**
7. ***Determinarea unor anioni din apele raului Argeş prin cromatografie ionică***
Anca-Iulia Stoica, Valentin Stanescu and George-Emil Baiulescu
Revista de Chimie, 54 (5), 386–389, **2003**.
8. ***The content of some microelements in mineral waters from Covasna and Harghita romanian districts***
Gabriela-Raluca Babaua, Anca-Iulia Stoica, Petre Capota and George-Emil Baiulescu
Environmental Geology, 45 (1), 58-64, **2003**.
9. ***Analytical contributions to the evaluation of painting authenticity from Princely Church of Curtea de Arges***
Olimpia-Hinamatsuri Ionescu, Dan Mohanu, Anca-Iulia Stoica, George-Emil Baiulescu
Talanta, 63 (4), 815-823, **2004**
10. ***Determination of cobalt in food samples***
Mariana Saulea, Anca-Iulia Stoica, George-Emil Baiulescu, Daniela Marinescu and M. Ionica
Revista de Chimie, 55, 5, 301-303, **2004**
11. ***Contamination of Black Sea Coast by Polycyclic Aromatic Hydrocarbons and Organochlorine Pesticides***
Simona Dobrinas, Semaghiul Birghila, Valentina Coatu, Anca-Iulia Stoica and George-Emil

Baiulescu

Revista de Chimie, 55, 7, 483–487, **2004**

12. ***Quality of some mineral waters from Covasna and Harghita Romanian Districts***

Gabriela–Raluca Dimulescu, Anca–Iulia Stoica and George–Emil Baiulescu

Revista de Chimie, 55, 9, 673–677, **2004**.

13. ***Green Chemistry–Correlation between cause and effect***

George–Emil Baiulescu and Anca–Iulia Stoica

Anal. Lett., 37 (15), 3105–3110, **2004** guest editorial

14. ***Determination of cobalt in pharmaceutical products***

Anca-Iulia Stoica, Mariana Peltea, George–Emil Baiulescu and Mihai Ionica

J. Pharm. Biomed. Analysis, 36, 653–656, **2004**.

15. ***Differential pulse voltammetric determination of 8–Aminoquinolonie using carbon paste electrode***

Anca–Iulia Stoica, Jiri Zima and Jiri Berek

Anal. Lett., 38(1), 149–156, **2005**

16. ***Determination of cobalt in pharmaceutical and biological samples***

Mariana Peltea, Anca-Iulia Stoica, George–Emil Baiulescu and Mihai Ionica

Revista de Chimie, 56 (4), 341–344, **2005**

17. ***Water pollution in gold mining industry: a case study in Rosia Montana district, Romania***

Raluca Mariana Florea, Anca-Iulia Stoica, George-Emil Baiulescu and Petre Capota

Environmental Geology, 48 (8), 1132–1136, **2005**.

18. ***Voltammetric determination of Selected Aminoquinolines using Carbon Paste electrode***

Jiri Zima, Anca–Iulia Stoica, Alice Zitova and Jiri Berek

Electroanalysis, 18 (2), 158–162, **2006**.

19. ***Determination of some microelements in Romanian wines***

Jeni – Carla Done, Anca – Iulia Stoica, Valeriu V. Cotea, George – Emil Baiulescu and Petre Capotă

Revista de Chimie, 57 (3), 239–244, **2006**

20. ***Voltammetric Determination of N,N-Dimethyl-4-amino-4.-hydroxyazobenzene***

at a Glassy Carbon Paste Electrode in the Presence of N,N-Dimethyl-4-aminoazobenzene

Anca-Iulia Stoica, Jiri Zima and Jiri Berek

Chem. Anal. (Warsaw), 52, **2007**

21. ***Use of pyridinium bromochromate as an effective reagent for bromination of nitrophenols***

Alexandra Gaşpar, Mihaela Matache, Anca-Iulia Stoica, Codruţa Paraschivescu, Cristian

Dobrotă

Revista de Chimie, 58(8), 765-767, **2007**

22. *Differential Accumulation of Gold and other Metals by Plants*

Raluca Mariana Florea, Anca-Iulia Stoica, Mihai Ionica, George-Emil Baiulescu

Revista de Chimie, 9, **2008**, 1019-1022

23. *Application of the cobaltabisdicarbollide anion to the development of ion selective PVC membrane electrodes for tuberculosis drug analysis*

Anca-Iulia Stoica, Clara Vinas, Francesc Teixidor

Chem. Commun., 48, **2008**, 6492-6494

Lista articolelor non-ISI

1. *Studiul eliminării unor interferențe la determinarea spectrometrică a uraniului*

D. Cruceru, Anca-Iulia Stoica

Lucrările Conferinței de Chimie și Inginerie Chimică, Vol.III, Partea a III-a, 510, **1995**.

2. *Environmental Analytical Chemistry in Romania*

Anca-Iulia Stoica and George-Emil Baiulescu

Ann. West Univ. Ser. Chim., 11(2),137-144, **2003**

3. *Trace elements composition of some mineral waters from Transylvania*

Anca-Iulia Stoica, Gabriela-Raluca Babaua and George-Emil Baiulescu

RMZ-Materials and Geoenvironment, 50 (1), 361-364, **2003**.

4. *Sampling in Environmental Analysis*

Anca-Iulia Stoica and George-Emil Baiulescu

Ecological Chemistry and Engineering, 10 (12), 1273-1279, **2003**

5. *Determination of organic and inorganic pollution from the Black Sea Coast*

Nicoleta Matei, Simona Dobrinas, Semaghiul Birghila, Valentina Coatu, Anca-Iulia Stoica, George-Emil Baiulescu

Proceedings of Sixth International Symposium & Exhibition on Environmental Contamination in Central & Eastern Europe and Commonwealth of Independent states, Prague, Czech Republic, 120 - 124, **2004**.

6. *Mercury determination from industrial waste waters*

Anca-Iulia Stoica, Raluca-Mariana Furtuna, Daniela Marinescu and George-Emil Baiulescu

RMZ-Materials and Geoenvironment, 51 (1), 272-274, **2004**.

7. *The study of lead content from Bucharest's dust*

Anca-Iulia Stoica, Iulia-Ioana Nita, George-Emil Baiulescu, Ioana Varduca and Petre

Capota

Ecological Chemistry and Engineering, 11 (9), 961–965, **2004**

8. *Green chemistry-The correlation between cause and effect*

Anca-Iulia Stoica and George–Emil Baiulescu

Ecological Chemistry and Engineering, 11 (9), 861–865, **2004**

9. *Identificarea cationilor – Experimente virtual*

Andreea-Elena Neagu and Anca-Iulia Stoica, Software and educational in invatamantul superior, 1-6, Conferinta Nationala de Invatamant Virtual, Editia a III-a, 28-30 Octombrie **2005**

10. *Correlation between pollution and stress*

Adriana-Mihaela Stoica, Anca-Iulia Stoica and George-Emil Baiulescu

Proceeding's of ECOpole'05, 277-280

11. *Carbon paste electrodes utilized for voltammetric determination of some carcinogenic compounds*

Anca-Iulia Stoica, Jiri Zima and Jiri Barek

Proceeding's ECOpole'06, **2007**

12. *Correlation between Air, Water and Soil Pollution*

Anca-Iulia Stoica and George-Emil Baiulescu

Ecological Chemistry and Engineering, 13(11), 1209-1215, **2006**.

13. *Global Pollution*

Anca-Iulia Stoica and George-Emil Baiulescu

16th Central European Conference ECOpole 2007, OCT 18-20, 2007 Duszniki Zdroj, POLAND

Proceedings of ECOpole, 2(1), 119-121, **2008**

14. *Disposable electrochemical sensors coupled to magnetic beads for a rapid and sensitive immunodetection of food pollutants*

Sonia Centi, Anca-Iulia Stoica, Serena Laschi, Ilaria Palchetti and Marco Mascini

Proceedings of the 13th Italian conference on sensors and microsystems, 32-36, **2009**

Cărți/capitole în străinătate

Un capitol în:

Gold Mining: Formation and Resource Estimation, Economics and Environmental

Impact

Anca-Iulia Stoica, Raluca-Mariana Florea and George-Emil Baiulescu
The influence of Gold mining industry on the pollution of Roşia Montana district
Nova Publishers, 2009

Cărţi/capitole în ţară;

Anca-Iulia Stoica, C.H. Lochmuller, George-Emil Baiulescu

Environmental Analytical Chemistry. Concepts

Ars Docendi, 2004, ISBN 973-558-162-0

Dumitru Cruceru, Adriana Gheorghe, Zenovia Moldovan, Iulia Valeria

Patroescu, Anca-Iulia Stoica

Chimie Analitica Calitativa. Probleme si Lucrari Practice

Editura Universitatii din Bucuresti, 1998, ISBN 973-575-274-3.

Brevete, invenţii.

Patent: P 200802603

Sensores Potentiometricos basados en clusters de boro anionicos

Anca-Iulia Stoica, Clara Vinas and Francesc Teixidor