

Lucrari prezentate la conferinta

A.C. Ion, Effects of Environmental Parameters of Natural Waters on the Adsorption of Organic Contaminants by carbon nanomaterials, 2nd Annual Congress on Soil and Water Sciences, October 23-24th, 2018, Berlin, Germany.

G. Ivan, L. Capra, I. Ion, R. Stoica, **A. C. Ion**, Solubility of triclocarban in aqueous systems with different compositions, International Symposium. ICECHIM, Priochem XIV, October, 15-16th, 2018, Bucharest, Romania

A. Schäffer, Michael Patrick Hennig, Vincenç Acuña, Damià Barcelo, Silke Claßen, Marinella Farré, Anna Freixa, Melanie Grolms-Aal, Monika Hammers-Wirtz, Susanne Henn, Henner Hollert, **Alina C. Ion**, Dirk Jungmann, Hanna M. Maes, Irina Politowski, Sara Rodriguez-Mozaz, Sergi Sabater, Josep Sanchís, Lucia Helena Santos, Tido Strauss, Katrin Weise, "Nanomaterialien in der aquatischen Umwelt" oral presentation on the NanoCluster meeting, 4th-5th May 2017 in Karlsruhe, Germany.

Michael Patrick Hennig, Vincenç Acuña, Damià Barcelo, Silke Claßen, Marinella Farré, Anna Freixa, Melanie Grolms-Aal, Monika Hammers-Wirtz, Susanne Henn, Henner Hollert, **Alina C. Ion**, Dirk Jungmann, Hanna M. Maes, Irina Politowski, Sara Rodriguez-Mozaz, Sergi Sabater, Josep Sanchís, Lucia Helena Santos, Tido Strauss, Katrin Weise, "Transfer of carbon-based nanomaterials (C-MNMs) in the aquatic environment: fate, effects, bioaccumulation, food web transfer and contaminant transport" oral presentation of the NanoCluster meeting, September, 18th, 2018, Neuss, Germany.

A. Culetu, I. Ion, **A. C. Ion**, C. Luca, "Potentiometric determination of lead from environmental samples", International symposium "The Environment and Industry", Bucharest, October, 28-30th, 2009, Proceedings vol. 2, Editura Estfalia, **2009**, p. 366-373, ISSN 1843-5831

A. C. Ion, I. Ion, A. Culetu, "Carbon nanostructures as sorbents for lead from the environment", 6th International conference of Nanoscience&Nanotechnologies, July 13-15 July **2009**, Aristotle University of Thessaloniki, Greece, Abstract Book, p. 210.

I.Ion, A.M.Josceanu, **A.C.Ion**, "Pesticides analysis in food matrices.Improvement extraction and analysis steps by GC-MS", International Conference on Metrology of Environmental, food and nutritional measurements, 9-12 September **2008**, Budapest, Hungary, Abstract Book, p.30-31, ISBN 978-963-9319-83-7

A. C. Ion, I. Ion, A. Ficai, "Chemically modified electrode for NO₂⁻ determination.Eenvironmental applications", 212th Electrochemical Society Meeting ECS, October 7-12th, **2007**, Washington, SUA

A.C.Ion, I.Ion, A.Culetu, L.Barbu, "Cadmium level in some wines and other alcoholic beverages and their effects on human healt.Comparative potentiometric and spectrometric study", Journées d'Electrochimie 2009, Sinaia, Roumanie, 6-10- juillet 2009, Resumes, Editura RISOPRINT Cluj-Napoca, p.92.

A.C. Ion, I. Ion, L. Barbu, M. Negru, C. Neagu "Potentiometric heavy metals determination in clinical samples", RO-NANOMED Nanomedicine International Workshop, Bucharest, Romania, July 4-5, **2006**

A.C.Ion, I.Ion, D.N.Stefan, A.Ficai "Improving mercury speciation in urine samples using potentiometric methods" 10 th International Biomedical Engineering Conference, Kaunas University of Technology, Biomedical Engineering Institute, October 26-27, **2006**.

I.Ion, **A.C.Ion**, C. Dragnea, "Speciation of iron from waters", Proceedings of "14th Romanian International Conference on Chemistry and Chemical Engineering", Sept. **2005**, Bucharest, vol.II, Physical chemistry, analytical chemistry and quality control, electrochemistry and corrosion vol.II, pp.96 - 107), Editura Printech, ISBN 973-718-284-7 și ISBN 973-718-286-3

I.Ion, L.Barbu, C. Dragnea, **A.C.Ion**, "Optimization of separation and preconcentration of heavy metals from samples with phosphate matrices using chelating resins (Chelex 100)", "Proceedings of 14th Romanian International Conference on Chemistry and Chemical Engineering", Sept. **2005**, Bucharest (Proceedings vol.II, Physical chemistry, analytical chemistry and quality control, electrochemistry and corrosion, pp.108 - 116), Editura Printech, ISBN 973-718-284-7 și ISBN 973-718-286-3

A.C. Ion, I. Ion, L. Barbu, C. Dragnea, "Optimization of separation and preconcentration of heavy metals from samples with phosphate matrices using chelating resins", International conference on Electrochemical Sensors, November 13-18, **2005**, Matrafured, Hungary

M.Claeys, B. Graham, W. Wang, G. Vas, I.Kourtchev, V.Pashynska, **A.C.Ion**, V.Reinhilde, G.Pascal, J.Cafmeyer, A. Gelencser, L. V. Gatti, A.O.Meinrat, P.Artaxo, W. Maenhaut, "Formation of secondary organic aerosols through oxidation of isoprene: structural characterization and formation mechanism", 8th International Conference on Carbonaceous Particles in the Atmosphere, Sept. 14-16, **2004**, Vienna, Austria, Abstract Book p.35.

W. Wang, I. Kourtchev, **A.C.Ion**, B. Graham, W. Maenhaut and M. Claeys, "Structural characterization of polar oxygenated organic compounds related to oxidation of isoprene in forest aerosols", , 8th International Conference on Carbonaceous Particles in the Atmosphere, Sept. 14-16, **2004**, Vienna, Austria

I.Ion, **A.C.Ion**, E.Ruse, L.Barbu, "Methodes pratiques pour le dosage des especes arseniees d'interet toxicologique", "Proceedings of Troisieme Colloque Franco-Roumain de Chimie Appliquee", 22-26 sept. 2004, Bacau, Romania, Editions Alma Mater Bacău, ISBN 973-8392-36-5și Tehnica-Info Chișinău, ISBN 9975-63-183-5, pp.416 - 419.

A.C. Ion, R. Vermeulen, W. Wang, J. Cafmeyer, A. Gelencser, W. Maenhaut, M.Claeys, "Speciation of polar organic compounds in continental rural aerosols from K-puszta, Hungary", workshop bilateral project Flanders – Hungary, University of Antwerpen, November 10th, **2004**, Belgium

I. Ion, **A.C. Ion**, "Potential interfering ions in potentiometric measurement of cadmium in some types of fertilizers" CEAC Summer Workshop on Metrology, 5-6 July, **2004**, Zurich Switzerland

S. Lupu, **A.C. Ion**, I. Ion, "Evaluation of the voltammetric responses of conducting polymers modified microelectrodes towards the oxidation of ascorbic acid and dopamine" CEAC Summer Workshop on Metrology, 5-6 July, **2004**, Zurich Switzerland

I.Ion, **A.C.Ion**, L.Barbu, "Potentiometric determination of iron(II) and iron(III) in mixture by titration with cobalt(II) chloride", "Proceedings 13th Romanian International Conference on Chemistry and Chemical Engineering", sept. **2003**, Bucharest (vol.I, pp.84 - 89), Editura Printech, ISBN 973-652-823-5.

I.Ion, **A.C.Ion**, L.Barbu, "Separation and preconcentration of Cu^{2+} , Cd^{2+} , Zn^{2+} on the chelating resin Amberlite XAD-4 loaded with xylene orange", "Proceedings of 13th Romanian International Conference on Chemistry and Chemical Engineering", Sept. **2003**, Bucharest (vol.I, pp.90 - 95), Editura Printech, ISBN 973-652-823-5.

A. C. Ion, I.Ion,"Study over the detection limit and selectivity coefficients by using ion-exchange resins in the inner reference solution of ion-selective polymeric membrane electrodes", Matrafured 02 International Conference on Electrochemical Sensors, Hungary , October, 13-18, **2002**, pp.34

A.C. Ion, I.Ion, L. Barbu, "Ion-selective polymeric membrane electrodes for potentiometric measurement of Pb^{2+} in environmental samples at trace level", 6th Euroconference on Environmental Analytical Chemistry, Peer, October, 18-23, **2002**

I. Ion, **A.C. Ion**, "Potentiometric measurement of lead in environmental samples", Proceedings of 3rd International Conference of the Chemical Societies of the South-Eastern European Countries, Bucharest, September 22-25, **2002**, Vol.I.p.47, ISBN 973-569-555-3.

A.C.Ion, I. Ion, L.Barbu, "Ion selective polymeric membrane electrodes for potentiometric measurement of Pb^{2+} in environmental samples at trace levels", Proceedings of 3rd International Conference of the Chemical Societies of the South-Eastern European Countries, Bucharest, September 22-25, **2002**, Vol.I. p.312, ISBN 973-569-555-3.

A.C. Ion, Aurora Ion, E. Saint Aman, J.C. Moutet, O. Reynes, G. Royal, E.M. Ungureanu, „Recognition of Cu(II) and Ni(II) by ferrocene-azacrown macrocyclic ligands", 3rd International Conference of the Chemical Societies of the South Eastern European Countries on Chemistry in the New Millenium-an endless frontier, Sept. 22-25, **2002**, vol.2, pp.71, ISBN 973-569-555-3.

E.Pretsch, A.Ceresa, T.Vigassy, E.Bakker, W.E.Morf, **A.C.Ion**, " Perspectives of Potentiometric Membrane Electrodes", International Congress on Analytical Sciences **2001**(ICAS 2001),6-10 august 2001,Waseda University, Tokyo, Japan, pp.1B08

A.C.Ion, I.Ion, "Cadmium(II) Selective Membrane Electrode Based on N,N,N',N'-Tetradodecyl-3,6-Dioxane Dithioamide (ETH 5435)" Proceedings of 12th Romanian International Conference on Chemistry and Chemical Engineering", Bucharest, Romania, September 13-15, **2001**, Quality control and analytical chemistry, pp.71 –77, ISBN 973-652-384-5.

E.Pretsch, A.Ceresa, W.Quin, E.Bakker, W.E.Morf, **A.C.Ion**, T.Vigassy, "Potentiometric Submicromolar Activity Measurements" The Pittsburgh Conference (PITTCON **2001**) New Orleans, 4-9 Martie 2001, pp.908

A.C.Ion, I.Ion, "Preliminary Results to Obtain an Ion Selective Electrode for Ag⁺ with Low Detection Limit", Proceedings of SICHEM International Chemistry Show, 3-6 octombrie 2000, București, pp.364-367.

I. Ion, **A. C. Ion**, S. Lupu, "Aplicații analitice ale electrozilor modificate prin filme de polipirol substituit cu porfirina de cobalt(III) tetrarutenată la determinarea nitriților din ape", "Conferința Internațională de Știința și Ingineria Materialelor", Buletin Științific Vol.IV, pp.435-438, 3-5 februarie 1999, Brașov, România.

I.Ion, **A.C.Ion**, S.Lupu, "Aplicații ale curenților catalitici ai cromului la determinarea urmelor de crom din ape", în volumul "Conferința Internațională de Știința și Ingineria Materialelor", Buletin Științific Vol.IV, pp.439-444, 3-5 februarie 1999, Brașov, România

N.Totir, E.M.Ungureanu, C.Luca, S.Lupu, **A.C.Ion**, I.Ion, "Preparation of metal-hexacyano-ferrate modified electrodes", în *Lucrările Conferinței Internaționale de Chimie și Inginerie Chimică*, Ediția a –XI-a, 30 sept. – 2 oct. 1999 București (CD –Secțiunea 11-Electrochimie și Procese de coroziune, pp.112 –116).

N.Totir, E.M.Ungureanu, C.Luca, S.Lupu, **A.C.Ion**, I.Ion, "Electrochemical method for preparation of Prussian blue modified electrode", în *Lucrările Conferinței Internaționale de Chimie și Inginerie Chimică*, Ediția a –XI-a, 30 sept. – 2 oct. 1999 București (CD –Secțiunea 11-Electrochimie și Procese de coroziune, pp.117 –121).

I.Ion, **A.C.Ion**, S.Lupu, L.Barbu, "Determination of nickel from fertilizers using adsorptive cathodic stripping voltammetry", în *Lucrările Conferinței Internaționale de Chimie și Inginerie Chimică*, Ediția a –XI-a, 30 sept. – 2 oct. 1999 București (CD –Secțiunea 4-Chimie Analitică și Control de calitate, pp.41 –44).

L.Barbu, I.Ion, **A.C.Ion**, "Determination of manganese trace from inorganic samples with complex matrix", în *Lucrările Conferinței Internaționale de Chimie și Inginerie Chimică*, Ediția a –XI-a, 30 sept. – 2 oct. 1999 București (CD –Secțiunea 4-Chimie Analitică și Control de calitate, pp.51 –59).

L.Barbu, I.Ion, **A.C.Ion**, "Determination of cadmium and lead in phosphoric acid and phosphates", în *Lucrările Conferinței Internaționale de Chimie și Inginerie Chimică*, Ediția a –XI-a, 30 sept. – 2 oct. 1999 București (CD –Secțiunea 4-Chimie Analitică și Control de calitate, pp.60 –64).

L.Barbu, I.Ion, **A.C.Ion**, "Determination of chromium trace from samples with phosphatic matrix", în *Lucrările Conferinței Internaționale de Chimie și Inginerie Chimică*, Ediția a –XI-a, 30 sept. – 2 oct. 1999 București (CD –Secțiunea 4-Chimie Analitică și Control de calitate, pp.66 –68).

I.Ion, **A.C.Ion**, C.Constantinescu, "Determinarea voltametrică a conținutului de nichel din îngrășăminte", Simpozion Științific Jubiliar (65 ani ai Universității Agrare de Stat din Moldova)", pp.158 -162, 7-9 octombrie 1998, Chișinău, Republica Moldova

I.Ion, **A.C.Ion**, C.Constantinescu, "Electrod cu membrană lichidă pentru determinarea Fe(III) din îngrășăminte", Simpozion Științific Jubiliar (65 ani ai Universității Agrare de Stat din Moldova)", pp.156 -157, 7-9 octombrie 1998, Chișinău, Republica Moldova

A.C.Ion, J.C.Moutet, A.Pailleret, A.Popescu, E.Saint-Aman, E.Siebert, E.M.Ungureanu, "Reconnaissance electrochimique de cations metaliques par des films de polymeres redox fonctionnalisés: une etude voltampérométrique et impédancemétrique", Journées d'Electrochimie, pp.3-15, 1-4 juin 1999, Université Paul Sabatier, Toulouse, France.

A.C.Ion, I. Ion, J.-C. Moutet, A. Pailleret, E. Saint-Aman, E. Ungureanu, E. Siebert, R. Ziessel, « Reconnaissance electrochimique de cations par des films de polymeres derives de recepteurs

moleculaires redox », POLYCAP 98, Les capteurs de pollution de l'environnement : nouvelles perspectives, Grenoble 7-9 dec. 1998.

A.C.Ion, M.M.M.G. Antonisse, B.H.M. Snellink-Ruel and D.N. Reinhoudt, "*H₂PO₄⁻ ion selective electrode*", ISEAC 1998, pp. 17, March 1 - 5 1998, Geneva, Switzerland

M.M.G. Antonisse, R. Lugtenburg, **A.C.Ion**, B.H.M. Snellink-Ruel, J.F.J.Engbersen and D.N. Reinhoudt, "*Characterization and durability of Na⁺ selective ChemFET*", în lucrările conferinței "Sensor Technology in the Netherland: State of art", March, 1-3, 1998, pp. 97 – 105, MESA Monographs „Sensor technology in the Netherlands : State of art „, Eds. A. vanden Berg, P. Bergveld, University of Twente, Enschede, the Netherlands

M.M.G.Antonisse, R.J.W. Lugtenberg, **A.Ion**, R.J.M.Egberink, B.H.M.Snellink-Ruel, J.F.J.Engbersen, D.N.Reinhoudt, **Editor(s):** vandenBerg, A; Bergveld, P **Title:** Chemically modified field-effect transistors for measurement of ion activities in aqueous solution **Source:** SENSOR TECHNOLOGY IN THE NETHERLANDS: STATE OF THE ART: 97-105 1998 **Book series title:** MESA MONOGRAPHS

"*Neutral bifunctional receptors for simultaneous complexation of cations and anions*", XVIII International Symposium on Macrocyclic Chemistry, pp.58, 27 iulie – 2 iulie, 1993, Twente, Enschede, Olanda.

E. Saint-Aman, J. -C.Moutet, I.Ion, **A.Ion**, A.Popescu, L.Tomazewski, M.Ungureanu, I.Gautier-Luneau, "*Reconnaissance electrochimique par des ferrocene - ether - couronnes* " , în " Communication flash et par affiche, S.F.C., Division Chimie de Coordination, Journees 1996" , pp. 31, 11-12 dec.1996, Paris, Franța.

O. Leonte, **A. C. Ion**, N. Săndescu, "*Regeneration of Leuna-Werke paladium catalyst for selective hydrogenation of phenol to cyclohexanone*", Merseburger Technologische Tages, pp.88, 1990, 20-22 martie, Germania.