

## PUBLICATION LIST

### a) Relevant publications for professional realizations obtained after obtaining doctor title

1. **Delia Gligor**, Liana M. Mureșan, Anca Dumitru, Ionel Cătălin Popescu, *Electrochemical behavior of carbon paste electrodes modified with Methylene Green immobilized on two different X type zeolites*, Journal of Applied Electrochemistry, **2007**, 37, 261-267 (I.F. = 1.417).
2. **Delia Gligor**, Yusuf Dilgin, Ionel Cătălin Popescu, Lo Gorton, *Photoelectrocatalytic oxidation of NADH at a graphite electrode modified with a new polymeric phenothiazine*, Electroanalysis, **2009**, 21, 360-367 (I.F. = 2.630).
3. **Delia Gligor**, Florina Bălaj, Andrada Măicăneanu, Radu Gropeanu, Ion Grosu, Liana Mureșan, Ionel Cătălin Popescu, *Carbon paste electrodes modified with a new phenothiazine derivative adsorbed on zeolite and on mineral clay for NADH oxidation*, Materials Chemistry and Physics, **2009**, 11, 283-289 (I.F. = 2.015).
4. **Delia Gligor**, Yusuf Dilgin, Ionel Cătălin Popescu, Lo Gorton, *Poly-phenothiazine derivative-modified glassy carbon electrode for NADH electrocatalytic oxidation*, Electrochimica Acta, **2009**, 54, 3124–3128 (I.F. = 3.325).
5. **Delia Gligor**, Izabell Crăciunescu, Ionel Cătălin Popescu, Lo Gorton, *Influence of the electrode material on the electrochemical behavior of carbon paste electrodes modified with Meldola Blue and Methylene Green adsorbed on a synthetic zeolite*, Electroanalysis, **2010**, 22(5), 509-512 (I.F. = 2.721).
6. **Delia Gligor**, Andrada Măicăneanu, Alain Walcarius, *Iron-enriched natural zeolite modified carbon paste electrode for H<sub>2</sub>O<sub>2</sub> detection*, Electrochimica Acta, **2010**, 55, 4050–4056 (I.F. = 3.650).
7. Didem Giray Dilgin, **Delia Gligor**, H. İsmet Gökçel, Zekerya Dursun, Yusuf Dilgin, *Photoelectrocatalytic oxidation of NADH in a flow injection analysis system using a poly-hematoxylin modified glassy carbon electrode*, Biosensors and Bioelectronics, **2010**, 26(2), 411–417 (I.F. = 5.361).
8. Vasilica Lateș, **Delia Gligor**, Liana M. Mureșan, Ionel Cătălin Popescu, *Comparative investigation of NADH electrooxidation at graphite electrodes modified with two new phenothiazine derivatives*, Journal of Electroanalytical Chemistry, **2011**, 661, 192–197 (I.F. = 2.905).
9. Andrada Măicăneanu, Codruța Varodi, Horea Bedeleian, **Delia Gligor**, *Physical-chemical and electrochemical characterization of Fe-exchanged natural zeolite applied for obtaining of hydrogen peroxide amperometric sensors*, Chemie der Erde – Geochemistry, **2014**, <http://dx.doi.org/10.1016/j.chemer.2014.02.005> (I.F. = 1.351).
10. **Delia Gligor**, Alain Walcarius, *Glassy carbon electrode modified with a film of poly(Toluidine Blue O) and carbon nanotubes for nitrite detection*, Journal of Solid State Electrochemistry, **2014**, 18, 1519-1528 (I.F. = 2.279).

### b) PhD Thesis

„Modified electrodes for NADH electrocatalytic oxidation”, in Chemistry, at „Babeș-Bolyai” University of Cluj-Napoca. **Defended on 22.11.2012.**

### c) Patent

1. **Delia Maria Gligor**, Codruța Mihaela Varodi, Sanda Andrada Măicăneanu, Liana Maria Mureșan, *Obtaining method of an amperometric sensor for hydrogen peroxide detection, based on carbon paste electrode modified with a copper enriched natural zeolite*. National patent no. 128064/2013, OSIM.

### d) Books, chapters

1. Mihaela Ligia Ungureșan, Lorentz Jäntschi, **Delia Maria Gligor**, *Aplicații educaționale de chimie pe calculator (Educational applications of chemistry on computer) (in Romanian)*, Ed. Mediamira, Cluj-Napoca, **2004**, 247 pag. (ISBN 973-713-031-6).

2. **Delia Maria Gligor**, Mihaela Ligia Ungureșan, *Noțiuni de electrochimie (Notions of electrochemistry) (in Romanian)*, Ed. Galaxia Gutenberg, Cluj-Napoca, **2009**, 183 pag. (ISBN 978-973-141-208-5).

3. **Delia Maria Gligor**, Andrada Măicăneanu, *Applications of clay minerals in electrochemistry and wastewater treatment*, In Clay: Types, Properties and Uses; Editors: Justin P. Humphrey and Daniel E. Boyd; Nova Science Publishers, Inc., New York, **2011**, pp. 1-62. (ISBN 978-1-61324-449-4).

4. Mihaela Ligia Ungureșan, **Delia Maria Gligor**, *General chemistry*, Ed. Galaxia Gutenberg, Cluj-Napoca, **2012**, 488 pag. (ISBN 978-973-141-448-5).

5. **Delia Maria Gligor**, *Phenothiazine modified electrodes for mediated oxidation of NADH*, Ed. Galaxia Gutenberg, Cluj-Napoca, **2012**, 101 pag. (ISBN 978-973-141-446-1).

6. **Delia Maria Gligor**, Cristina Roșu, *Elemente fundamentale de chimia mediului (Fundamental elements of environmental chemistry) (in Romanian)*, Ed. Galaxia Gutenberg, Cluj-Napoca, **2012**, 170 pag. (ISBN 978-973-141-503-1).

### Didactic support: practical works

1. I. C. Popescu, L. Mureșan, A. Nicoară, G. L. Turdean, P. Ilea, **D. Gligor**, *Lucrări practice de electrochimie (Practical works of electrochemistry) (in Romanian)*, Litografia Babeș-Bolyai University, **2006**, 50 pag.

### e) Other papers in ISI journals

1. **Delia Dicu**, Liana Mureșan, Ionel Cătălin Popescu, Castelia Cristea, Ioan Alexandru Silberg, Pierre Brouant, *Modified electrodes with new phenothiazine derivatives for electrocatalytic oxidation of NADH*, *Electrochimica Acta*, **2000**, 45, 3951-3957 (I.F. = 1.597).

2. **Delia Gligor**, Liana Mureșan, Ionel Cătălin Popescu, Ioan Alexandru Silberg, *Chlorinated phenothiazine derivatives as mediators for NADH oxidation. I. Undecachloro-1,2-dihydro-phenothiazine graphite modified electrode*, *Revue Roumaine de Chimie*, **2002**, 47, 953-961 (I.F. = 0.229).

3. Florentina-Daniela Munteanu, **Delia Dicu**, Ionel Cătălin Popescu, Lo Gorton, *NADH oxidation using carbonaceous electrodes modified with dibenzo-dithia-diazapentacene*, *Electroanalysis*, **2003**, 15, 383-391 (I.F. = 1.811).

4. **Delia Dicu**, Florentina-Daniela Munteanu, Ionel Cătălin Popescu, Lo Gorton, *Indophenol and o-quinone derivatives immobilized on zirconium phosphate for NADH electro-oxidation*, *Analytical Letters*, **2003**, 36, 1755-1779 (I.F. = 0.929).

5. **Delia Gligor**, Liana Mureșan, Ionel Cătălin Popescu, Ioan Alexandru Silberg, *Chlorinated phenothiazine derivatives as mediators for NADH oxidation. II. Comparative study of octachloro-phenothiazinyl and heptachloro-hidroxi-phenothiazine modified graphite electrodes*, *Revue Roumaine de Chimie*, **2003**, 48, 463-470 (I.F. = 0.219).

6. Florentina-Daniela Munteanu, **Delia Gligor**, Ionel Cătălin Popescu, Lo Gorton, *Formate dehydrogenase-modified carbon paste electrodes for amperometric detection of formate*, Revue Roumaine de Chimie, **2006**, 51, 25-30 (I.F. = 0.208).
7. Raluca C. Crețu, **Delia M. Gligor**, Laura Mureșan, Ionel Cătălin Popescu, Liana M. Mureșan, *Kinetic characterization of Prussian Blue-modified graphite electrodes for amperometric detection of hydrogen peroxide*, Journal of Applied Electrochemistry, **2006**, 36, 1327-1332 (I.F. = 1.409).
8. Vasilica Lateș, **Delia Gligor**, Liana Mureșan, Ionel Cătălin Popescu, Radu Gropeanu, Ion Grosu, *Graphite electrodes modified with 3,7-di(m-aminophenyl)-10-ethyl-phenothiazine*, Studia Universitas "Babeș-Bolyai", Chemia, **2007**, LII, 1, 11-17. *Recunoscut ISI*
9. Codruța Varodi, **Delia Gligor**, Liana M. Mureșan, *Modified carbon paste electrodes incorporating synthetic zeolites for amperometric detection of ascorbic acid*, Studia Universitas "Babeș-Bolyai", Chemia, **2007**, LII, 1, 109-117. *Recunoscut ISI*
10. Castelia Cristea, Gabriela Cormoș, Luiza Găină, Luminița Silaghi-Dumitrescu, **Delia Gligor**, Liana Mureșan, Ionel Cătălin Popescu, *Microwave-assisted synthesis and electrochemical behaviour of phenothiazine-formaldehyde polymer derivative*, Studia Universitas "Babeș-Bolyai", Chemia, **2007**, 4, 23-31. *Recunoscut ISI*
11. Vasilica Lates, **Delia Gligor**, Mircea Dărăbanțu, Liana M. Mureșan, *Electrochemical behavior of a new s-triazine based dendrimer*, Journal of Applied Electrochemistry, **2007**, 37, 631-636 (I.F. = 1.417).
12. Codruta Varodi, **Delia Gligor**, Liana M. Mureșan, *Carbon paste electrodes modified with Methylene Blue immobilized on a synthetic zeolite*, Revue Roumaine de Chimie, **2007**, 52, 81-88 (I.F. = 0.262).
13. Ossi Horovitz, **Delia Gligor**, Ionel Cătălin Popescu, *Correlations between electrochemical activity of phenothiazine derivatives modified graphite electrodes and some structural and molecular characteristics*, Revue Roumaine de Chimie, **2007**, 52, 823-828 (I.F. = 0.262).
14. Codruța Varodi, **Delia Gligor**, Andrada Măicăneanu, Liana M. Mureșan, *Carbon paste electrode incorporating calcium-exchanged zeolite modified with Methylene Blue for amperometric detection of NADH*, Revista de Chimie, **2007**, 58, 890-894 (I.F. = 0.261).
15. **Delia Gligor**, Elisabeth Csöregi, Ionel Cătălin Popescu, *Amperometric biosensor for ethanol based on a phenothiazine derivative modified carbon paste electrode*, Studia Universitas "Babeș-Bolyai", Chemia, **2008**, 1, 55-62. *Recunoscut ISI*
16. **Delia Gligor**, Liana Mureșan, Ionel Cătălin Popescu, Castelia Cristea, Gabriela Cormoș, *Synthesis and electrochemical behaviour of bis-(10-ethylphenothiazinyl)-phenylmethane*, Studia Universitas "Babeș-Bolyai", Chemia, **2008**, 1, 15-21. *Recunoscut ISI*
17. Mihaela Ligia Ungureșan, **Delia Gligor**, Francisc Dulf, *Numerical modelling and simulation of Laviron treatment for some phenothiazine modified graphite electrodes*, Proceeding ISI, IEEE Catalog Number: CFP08AQT-PRT, Mediamira Publishing House, **2008**, 16, 235-237.
18. **Delia Gligor**, Mihaela Ligia Ungureșan, Francisc Dulf, *Systemic approach for numerical modelling and simulation of Koutecky-Levich equation for NADH electrocatalytic oxidation at graphite electrodes modified with a new polymeric phenothiazine*, Proceeding ISI, IEEE Catalog Number: CFP08AQT-PRT, Mediamira Publishing House, **2008**, 16, 238-241.
19. Codruța Varodi, **Delia Gligor**, Levente Abodi, Liana Mureșan, *Comparative study of carbon paste electrodes modified with Methylene Blue- and Methylene Green-adsorbed on zeolite as amperometric sensors for H<sub>2</sub>O<sub>2</sub> detection*, Studia Universitas "Babeș-Bolyai", Chemia, **2009**, 3, 255-263 (I.F. = 0.086).

20. Alexia Bonnifet, **Delia Gligor**, Castelia Cristea, Liana M. Mureşan, *Electrochemical behavior and applications of phenothiazine derivatives based on bis-(10Hphenothiazin-3-yl)-methane*, Studia Universitatis "Babeş-Bolyai", Chemia, **2009**, 1, 243-251 (I.F. = 0.086).
21. Castelia Cristea, Gabriela Cormos, **Delia Gligor**, Iudit Filip, Liana Muresan, Ionel Cătălin Popescu, *Electrochemical characterization of bis-(10Hphenothiazin-3-yl)-methane derivatives obtained by microwave assisted organic synthesis*, Journal of New Materials for Electrochemical Systems, **2009**, 12, 233-238 (I.F. = 0.876).
22. Mihaela Ligia Ungureşan, **Delia Maria Gligor**, *Numerical modelling and simulation of Koutecky-Levich equation for NADH electrocatalytic oxidation at graphite electrodes modified with a new polymeric phenothiazine*, Indian Journal of Chemistry, **2009**, 48A, 206-210 (I.F. = 0.617).
23. Mihaela Ligia Ungureşan, **Delia Maria Gligor**, Francisc Dulf, Tiberiu Coloşi, *Analogical modelling and numerical simulation of the adsorption process for poly-phenothiazine formaldehyde on graphite electrodes*, International Journal of Chemical Reactor Engineering, **2009**, 7 (I.F. = 0.733).
24. Mihaela Ligia Ungureşan, **Delia Maria Gligor**, *Comparison between the experimentally and numerically modelled and simulated kinetic parameters corresponding to Michaelis - Menten equation, for NADH sensors based on polymeric phenothiazine modified electrodes*, Asian Journal of Chemistry, **2010**, 22(1), 475-482 (I.F. = 0.247).
25. **Delia Gligor**, Codruta Varodi, Liana Muresan, *Graphite electrode modified with a new phenothiazine derivative and with carbon nanotubes for NADH electrocatalytic oxidation*, Chemical and Biochemical Engineering Quarterly, **2010**, 24(2), 159-166 (I.F. = 0.483).
26. **Delia Maria Gligor**, Mihaela Ligia Ungureşan, *Numerical modelling and simulation of Laviron treatment for poly-phenothiazine derivative-modified glassy carbon electrodes*, Journal of Mathematical Chemistry, **2010**, 47(4), 1476-1482 (I.F. = 1.259).
27. Mihaela Ligia Ungureşan, Francisc-Vasile Dulf, Andrada Măicăneanu, **Delia-Maria Gligor**, *Iron exchange on natural zeolites. Comparison of linear and non-linear regression analysis methods*, Proceeding ISI, IEEE Catalog Number: CFP010AQT-PRT, Mediamira Publishing House, **2010**, 435-438.
28. Mihaela Ligia Ungureşan, **Delia-Maria Gligor**, *Effect of light irradiation and immobilization of carbon nanotubes on kinetic parameters corresponding to Michaelis - Menten equation, for NADH sensors based on phenothiazine graphite modified electrodes*, Proceeding ISI, IEEE Catalog Number: CFP010AQT-PRT, Mediamira Publishing House, **2010**, 429-434.
29. **Delia Gligor**, Codruţa Varodi, Andrada Măicăneanu, Liana Maria Mureşan, *Carbon nanotubes-graphite paste electrode modified with Cu(II)-exchanged zeolite for H<sub>2</sub>O<sub>2</sub> detection*, Studia Universitatis "Babeş-Bolyai", Chemia, **2010**, XLV, 2, TOM II, 293-302 (I.F. = 0.231).
30. Codruţa Varodi, Ocsana Axuc, Sorina Ciorceri, **Delia Gligor**, Ionel Cătălin Popescu, Liana Maria Mureşan, *Biosensor based on ascorbate oxidase for ascorbic acid determination*, Revue Roumaine de Chimie, **2010**, 55(11-12), 859-864 (I.F. = 0.311).
31. Dan Rusu, Oana Băban, Ioan Hauer, **Delia Gligor**, Leontin David, Mariana Rusu, *Synthesis and characterization of the potassium 11-tungstovanado (IV) phosphate*, Revue Roumaine de Chimie, **2010**, 55(11-12), 843-850 (I.F. = 0.311).
32. Didem Giray Dilgin, **Delia Gligor**, H. İsmet Gökçel, Zekerya Dursun, Yusuf Dilgin, *Glassy carbon electrode modified with poly-Neutral Red for photoelectrocatalytic oxidation of NADH*, Microchimica Acta, **2011**, 173(3-4), 469-476 (I.F. = 3.033).
33. Yusuf Dilgin, Didem Giray Dilgin, Zekerya Dursun, H. İsmet Gökçel, **Delia Gligor**, Burcu Bayrak, Bensu Ertek, *Photoelectrocatalytic determination of NADH in a flow injection system*

with electropolymerized Methylene Blue, *Electrochimica Acta*, **2011**, 56(3), 1138-1143 (I.F. = 3.832).

34. Mihaela-Ligia Ungureșan, Andrada Măicăneanu, Francisc-Vasile Dulf, Eva-Henrietta Dulf, **Delia Maria Gligor**, *Application of linear regression analysis for iron and copper removal process using natural zeolites*, *Journal of Thermal Analysis and Calorimetry*, **2012**, 110, 1293–1297 (I.F. = 1.982).
35. **Delia Gligor**, Liviu Cosmin Cotet, Virginia Danciu, *Comparative study of two types of iron doped carbon aerogels for electrochemical applications*, *Journal of New Materials for Electrochemical Systems*, **2013**, 16, 97-101 (I.F. = 0.532).
36. Adrian Woiczehowski-Pop, **Delia Gligor**, Attila Bende, Codruța Varodi, Elena Bogdan, Anamaria Terec, Ion Grosu, *Synthesis, structure, electrochemical behavior and electrochemical investigations on the assembling with pyrene of a novel C<sub>3</sub> cryptand*, *Supramolecular Chemistry*, **2014**, DOI: 10.1080/10610278.2014.904868 (I.F. = 1.546).

#### f) Papers in Proceedings at international conferences

1. Codruța Varodi, Ocsana Axuc, **Delia Gligor**, Ionel Cătălin Popescu, Liana .M. Mureșan, *Ascorbic acid determination by using an amperometric biosensor*, *International Conference on Ecological Materials and Technologies, ECOMAT 2008*, Bucharest, 25-26 September 2008, 99-101.
2. Mihaela Ligia Ungureșan, **Delia Maria Gligor**, Francisc Dulf, Iulian O. Maga, Tiberiu Coloși, Mihail Abrudean, *Theoretical preliminaries associated to analogical modelling and numerical simulation of the adsorption process for poly-phenothiazine formaldehyde on graphite electrodes*, *Proceedings CSCS-17, 17<sup>th</sup> International Conference on Control Systems and Computer Science*, Bucharest, 26-29 May 2009, Ed. Politehnica Press, **2009**, 2, 27-32.

#### g) Other papers and scientific contributions

1. Vera Andronic, Liana Mureșan, Adrian Nicoară, **Delia Dicu**, Ionel Cătălin Popescu, *Cobalt (II) phtalocyanine modified carbon paste electrode for amperometric detection of H<sub>2</sub>O<sub>2</sub>*, *Annals of Craiova University, Chemistry*, **1995**, XXIII, 23-28.
2. **Delia Dicu**, Liana Mureșan, Ionel Cătălin Popescu, *Comportarea electrochimică a electrodului de grafit modificat cu 1,1,2,2,3,3,4,6,7,8,9-undecacloro-1,2-dihidro-fenotiazina (Electrochemical behavior of graphite electrode modified with 1,1,2,2,3,3,4,6,7,8,9-undecachloro-1,2-dihydro-phenothiazine) (in Romanian)*, *Annals of Oradea University, Chemistry*, **1999**, VI, 198-203
3. Mihaela Ungureșan, **Delia Gligor**, Lorentz Jantschi, *Desulfurarea gazelor reziduale rezultate din procese industriale. Metode electrochimice (Desulfuration of waste gases resulted from industrial processes. Electrochemical methods) (in Romanian)*, *Annals of Oradea University, Chemistry*, **2001**, VIII, 25-30.
4. Mihaela Ungureșan, **Delia Gligor**, Lorentz Jantschi, *Desulfurarea gazelor reziduale rezultate din procese industriale. Metode chimice (Desulfuration of waste gases resulted from industrial processes. Chemical methods) (in Romanian)*, *Annals of Oradea University, Chemistry*, **2001**, VIII, 19-24.
5. Ionel Cătălin Popescu, **Delia Gligor**, Victor Roșca, Szilveszter Gaspar, Liana Mureșan, *Electrochemical interfaces for amperometric detection of some analytes interesting for biotechnological and environmental applications*, *U.P.B. Sci. Bull., Series B*, **2001**, 63, 7-18.
6. **Delia Gligor**, Marius Socol, Edith Lapsanzski, Ionel Cătălin Popescu, *Comportarea electrochimică a unor derivați fenotiazinici adsorbiți pe electrozi de grafit (Electrochemical behavior of some phenothiazine derivatives adsorbed on graphite electrodes) (in Romanian)*, *Annals of Oradea University, Chemistry*, **2001**, VIII, 73-80.

7. Ionel Cătălin Popescu, Victor Roșca, **Delia Gligor**, Liana Mureșan, *Comparative study on the NADH electrocatalytic oxidation at 16H,18H-dibenzo[c,1]-7,9-dithia-16,18-diaza-pentacene modified electrodes*, Annals of West University of Timișoara, Series Chemistry, **2001**, 10, 653-660.
8. Lorentz Jantschi, **Delia Gligor**, Mihaela Ligia Ungureșan, *Acid-base titration numerical simulator*, Studia Universitas “Babeș-Bolyai”, Physics, **2003**, XLVIII, 1, 278-284.
9. **Delia Gligor**, Florentina Munteanu, Ionel Cătălin Popescu, Lo Gorton, *NADH electrocatalytic oxidation at 2,6-dichlorophenolindophenol modified electrodes*, Annals of West University of Timișoara, Series Chemistry, **2003**, 12, 561-568.
10. Ana-Maria Kaszoni Pricop, **Delia Gligor**, Liana Mureșan, *Influence of carbon electrodes pretreatment on the electrochemical behavior of modified electrodes with a new phenothiazine derivative*, Annals of Oradea University, Chemistry, **2003**, X, 165-170.
11. **D. M. Gligor**, G. L. Turdean, L. M. Mureșan, I. C. Popescu, *Third generation amperometric biosensor based on mediated electron transfer between alcohol dehydrogenase and 1,1,2,2,3,3,4,6,7,8,9-undecachloro-1,2-dihydro-phenothiazine*, Studia Universitas “Babeș-Bolyai”, Chemia, **2004**, XLIX, 93-97.
12. **Delia Gligor**, Marius Socol, Ionel Cătălin Popescu, Castelia Cristea, Ioan Alexandru Silberg, *Charge transfer complex between tetracyanoquinodimethane and 16H,18H-dibenzo[c,1]-7,9-dithia-16,18-diazapentacene modified graphite electrode for NADH electro-oxidation*, Studia Universitas “Babeș-Bolyai”, Chemia, **2004**, XLIX, 2, 124-130.
13. **Delia Gligor**, Liana Mureșan, Liviu Boboș, Ionel Cătălin Popescu, *Electrodeposition of CdS thin films*, Studia Universitas. “Babeș-Bolyai”, Chemia, **2004**, XLIX, 2, 137-144.
14. **Delia Gligor**, Liana Mureșan, Ionel Cătălin Popescu, *Carbon paste electrodes incorporating Methylene Green-modified zeolite*, Acta Universitas Cibiniensis, Seria F Chemia, **2004**, 7, 29-35.
15. **Delia Gligor**, Lorentz Jäntschi, *Periodic system of elements database and it's applications*, Annals of Oradea University, Chemistry, **2005**, XII, 180-194.

## Abstracts at conferences

### (1) International conferences

1. Vera Andronic, Liana Mureșan, **Delia Dicu**, I. C. Popescu, *Co(II) phtalocyanine modified carbon paste electrode for amperometric detection of H<sub>2</sub>O<sub>2</sub>*, International Symposium “Electrochemistry, a Frontier Field of Theoretical and Practical Interest”, Cluj-Napoca, 31 October – 3 November **1996** (poster).
2. **Delia Dicu**, Liana Mureșan, Castelia Cristea, Ioan Silberg, Ionel Cătălin Popescu, *Chemically modified electrodes with new phenothiazines derivatives*, The 50<sup>th</sup> Meeting of ISE, Pavia, Italy, 5 –10 September **1999** (poster).
3. **Delia Dicu**, Liana Mureșan, Castelia Cristea, Ioan Alexandru Silberg, Ionel Cătălin Popescu, *Chlorinated phenothiazine modified electrodes for NADH oxidation*, The 51<sup>th</sup> Meeting of ISE, Warsaw, Poland, 3-10 September **2000** (poster).
4. **Delia Gligor**, Victor Roșca, Liana Mureșan, Ionel Cătălin Popescu, *Etude comparatif de l'oxidation electrocatalyque du NADH sur des electrodes modifiees avec 16H,18H-dibenzo[c,L]-7,9-dithia-16,18-diazapentacene*, Journées d'Electrochimie 2001, Marrakech, Morocco, 5-9 June **2001** (oral communication presented by I.C. Popescu).
5. **Delia Gligor**, Liana Mureșan, Ionel Cătălin Popescu, *On the electrocatalytical stability of chlorinated phenothiazine-modified electrodes for NADH oxidation*, The 2<sup>nd</sup> International Symposium on “Electrochemistry, a Frontier Field of Theoretical and Practical Interest”, Bucharest, Romania, 13 – 15 September **2001** (poster).

6. **Delia Gligor**, Graziella Turdean, Liana Mureșan, Ionel Cătălin Popescu, *Third generation amperometric biosensor based on direct electron transfer between alcohol dehydrogenase and 1,1,2,2,3,3,4,6,7,8,9-undecachloro-1,2-dihydro-phenothiazine*, The 2<sup>nd</sup> International Symposium on “Electrochemistry, a Frontier Field of Theoretical and Practical Interest”, Bucharest, 13 – 15 September **2001** (poster).
7. **Delia Dicu**, Florentina Munteanu, Ionel Cătălin Popescu, Lo Gorton, *Carbon paste electrode modified with dibenzo-dithia-diazapentacene for electrocatalytic electro-oxidation of NADH*, The 9<sup>th</sup> European Conference on Electroanalysis, ESEAC, Krakow, Poland, 9 - 12 June **2002** (poster).
8. **Delia Dicu**, Liana Mureșan, Ionel Cătălin Popescu, Ioan Alexandru Silberg, *Octachlorophenothiazynil-modified electrodes for NADH oxidation*, The 53<sup>th</sup> Meeting of ISE, Dusseldorf, Germany, 3-10 September **2002** (oral poster presented by I.C. Popescu).
9. **Delia Gligor**, Florentina Munteanu, Ionel Cătălin Popescu, Lo Gorton, *Formate dehydrogenase carbon paste electrode for amperometric detection of formic acid*, The XVII<sup>th</sup> International Symposium on Bioelectrochemistry and Bioenergetics, Firenze, Italy, 19 - 24 June **2003** (poster).
10. **Delia Gligor**, Florentina Munteanu, Ionel Cătălin Popescu, Lo Gorton, *L'électro-oxydation du NADH sur des électrodes de pâte à carbone modifiée avec des dérivés de l'indophénol adsorbés sur phosphate de zirconium*, Journées d'Electrochimie 2003, Poitiers, France, 3-6 June **2003** (poster).
11. **Delia Gligor**, Graziella Turdean, Liana Mureșan, Ionel Cătălin Popescu, *New carbon paste composite electrode incorporating zeolites*, The 11<sup>th</sup> Physical Chemistry Conference with International Participation, ROMPHYSICHEM 11, Timișoara, Romania, 2- 5 September **2003** (poster).
12. **Delia Gligor**, Florentina Munteanu, Ionel Cătălin Popescu, Lo Gorton, *NADH electrocatalytic oxidation at 2,6-dichlorophenolindophenol modified electrodes*, The 11<sup>th</sup> Physical Chemistry Conference with International Participation, ROMPHYSICHEM 11, Timișoara, 2- 5 September **2003** (poster).
13. Izabell Peter, **Delia Gligor**, Graziella Turdean, Liana Mureșan, Rodica Turcu, Ionel Cătălin Popescu, *Zeolite modified electrodes for electroanalytical applications*, The 13<sup>th</sup> Romanian International Conference on Chemistry and Chemical Engineering, Bucharest, 16 – 20 September **2003** (poster).
14. **Delia Gligor**, Sorin Dorneanu, Liana Mureșan, Petru Ilea, I. C. Popescu, Elisabeth Jeanne Popovici, *Electrodeposition of CdS thin films*, The 13<sup>th</sup> Romanian International Conference on Chemistry and Chemical Engineering, Bucharest, 16 – 20 September **2003** (poster).
15. **Delia Gligor**, Florentina Munteanu, Ionel Cătălin Popescu, Lo Gorton, *NADH electro-oxidation at carbon paste electrodes modified with o-quinone derivatives adsorbed on zirconium phosphate*, The 13<sup>th</sup> Romanian International Conference on Chemistry and Chemical Engineering, Bucharest, 16 – 20 September **2003** (oral communication presented by Delia Gligor).
16. **Delia Gligor**, Liana Mureșan, Ionel Cătălin Popescu, *Zeolite modified carbon paste electrodes for H<sub>2</sub>O<sub>2</sub> detection*, The 10<sup>th</sup> European Conference on Electroanalysis, ESEAC, Galway, Irland, 6 - 10 June **2004** (poster).
17. **Delia Gligor**, Ionel Cătălin Popescu, Lo Gorton, *Comparison of the electrochemical and electrocatalytic behavior of some modified electrodes for NADH oxidation*, The 8<sup>th</sup> International Symposium on Kinetics in Analytical Chemistry (KAC), Rome, Italy, 8 - 10 July **2004** (poster).
18. **Delia Gligor**, Anca Dumitru, Liana Mureșan, Ionel Cătălin Popescu, *Carbon paste electrodes incorporating Methylene Green modified zeolites*, The 55<sup>th</sup> Meeting of ISE, Thessaloniki, Greece, 19-24 September **2004** (poster).

19. **Delia Gligor**, Liana M. Mureșan, Ionel Cătălin Popescu, *Electrodes composites à pâte de carbone incorporant des zéolites modifiées avec du Vert de Méthylène pour la détection de l'H<sub>2</sub>O<sub>2</sub>*, Journées d'Electrochimie **2005**, Saint Malo, France, 5-8 July **2005** (poster).
20. Codruța Varodi, **Delia Gligor**, Liana M. Mureșan, *Carbon paste electrodes modified with Methylene Blue immobilized on synthetic zeolites*, The 11<sup>th</sup> European Conference on Electroanalysis, ESEAC, Bordeaux, France, 11 - 15 June **2006** (poster).
21. **Delia Gligor**, Florentina Munteanu, Lo Gorton, Ionel Cătălin Popescu, *NADH electro-oxidation on carbon paste electrodes modified with adenine derivatives adsorbed on zirconium phosphate*, The 57<sup>th</sup> Meeting of ISE, Edinburgh, Scotland, 27 August - 1 September **2006** (poster).
22. Vasilica Lateș, **Delia Gligor**, Liana Mureșan, Ionel Cătălin Popescu, Radu Gropeanu, Ion Grosu, *Graphite electrodes modified with new functionalized phenothiazines*, The 12<sup>th</sup> International Conference of Physical Chemistry, ROMPHYSICHEM-12, Bucharest, 6 - 8 September **2006** (poster).
23. Castelia Cristea, Gabriela Cormoș, **Delia Gligor**, Liana Mureșan, Ioan Alexandru Silberg, *Redox properties of some new phenothiazine derivatives*, The 5<sup>th</sup> International Conference of the Chemical Societies of the South-Eastern European Countries on «Chemical Sciences at the European Crossroads», Macedonia, September **2006** (poster).
24. Lidia Varvari, Ionel Cătălin Popescu, Sorin-Aurel Dorneanu, **Delia Gligor**, *New macrocyclic compound as ionophore for Ca<sup>2+</sup>-selective electrode*, International Conference "Students for students", 4<sup>th</sup> Edition, 20-22 April **2007** Cluj-Napoca (oral communication presented by Lidia Varvari).
25. **Delia Gligor**, Florina Bălaj, Andrada Măicăneanu, Liana Mureșan, I. C. Popescu, *Carbon paste electrodes modified with a new phenothiazine derivative adsorbed on zeolite and on mineral clay for NADH oxidation*, The 5<sup>th</sup> Spring Meeting of ISE, Dublin, Ireland, 1 - 4 May **2007** (poster).
26. **Delia Gligor**, Yusuf Dilgin, Ionel Cătălin Popescu, Lo Gorton, *Poly-phenothiazine derivative - modified glassy carbon electrode for amperometric detection of NADH*, Journées d'Electrochimie 2007, Lyon, France, 2-6 July **2007** (poster).
27. Vasilica Lateș, **Delia Gligor**, Liana Mureșan, Ionel Cătălin Popescu, Ion Grosu, *Electrodes modified with new functionalized phenothiazine derivatives for NADH oxidation*, Journées d'Electrochimie 2007, Lyon, France, 2-6 July **2007** (poster).
28. Liviu Cosmin Cotet, **Delia Gligor**, Ana Roig, Ionel Cătălin Popescu, Veronica Coșoveanu, Virginia Danciu, *Electrochemical behavior of iron doped carbon aerogels*, Journées d'Electrochimie 2007, Lyon, France, 2-6 July **2007** (poster).
29. Adrian Nicoară, **Delia Gligor**, Veronica Coșoveanu, Lucian Baia, Monica Baia, C. Ghica, Virginia Danciu, *Synthesis of polyoxometalate doped zirconia aerogels and their characterization*, Journées d'Electrochimie 2007, Lyon, France, 2-6 July **2007** (poster).
30. **Delia Gligor**, Florina Bălaj, Andrada Măicăneanu, Liana Mureșan, Andrei Gaz, Elena Bogdan, Ion Grosu, Ionel Cătălin Popescu, *Carbon paste electrodes incorporating zeolite or clay modified with a new spiro-1,3-dithiane derivative*, International Symposium on Metastable and Nano Materials, ISMANAN, Corfu, Greece, 26-30 August **2007** (poster).
31. Codruța Varodi, **Delia Gligor**, Andrada Măicăneanu, Liana Mureșan, *Carbon paste electrode incorporating a calcium-exchanged zeolite and Methylene Blue for amperometric detection of NADH*, The 15<sup>th</sup> Romanian International Conference on Chemistry and Chemical Engineering RICCCCE 15, Sinaia, Romania, 19-22 September **2007** (oral communication presented by L. Mureșan).
32. Codruța Varodi, Levente Abodi, **Delia Gligor**, Ionel Cătălin Popescu, Liana Mureșan, *Comparative study of Methylene Blue- and Methylene Green- modified zeolite incorporated in carbon paste as amperometric transducers for H<sub>2</sub>O<sub>2</sub> detection*, Chemical and Biochemical



- Techniques to improve the Environmental Chemistry BIOREMEDIATION 2007, Cluj-Napoca, 19-22 September 2007 (poster).
33. Codruța Varodi, **Delia Gligor**, Liana M. Mureșan, *Carbon paste electrodes incorporating synthetic zeolites and Methylene Blue for amperometric determination of ascorbic acid in fruit juices*, The 3<sup>rd</sup> International Symposium in Food Analysis, Prague, Cseck Republic, 7–9 November 2007 (poster).
  34. **Delia Gligor**, Castelia Cristea, Gabriela Cormos, Liana Mureșan, Ionel Cătălin Popescu, *Structure-electrochemical properties correlations for bis-(10H phenothiazin-3-yl)-methane derivatives*, First Regional Symposium on Electrochemistry of South-East Europe, Crveni Otok, Rovinj, Istria, Croatia, 4-8 May 2008 (poster).
  35. **Delia Gligor**, Mihaela Ligia Ungureșan, Francisc Dulf, *Systemic approach for numerical modelling and simulation of Koutecky-Levich equation for NADH electrocatalytic oxidation at graphite electrodes modified with a new polymeric phenothiazine*, 2008 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics, AQTR 2008 (THETA 16), 22-25 May 2008 (oral communication presented by Mihaela Ungureșan).
  36. Mihaela Ligia Ungureșan, **Delia Gligor**, Francisc Dulf, *Numerical modelling and simulation of Laviron treatment for some phenothiazine modified graphite electrodes*, 2008 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics, AQTR 2008 (THETA 16), 22-25 May 2008 (oral communication presented by Mihaela Ungureșan).
  37. Codruța Varodi, **Delia Gligor**, Andrada Măicăneanu, Liana Mureșan, *Amperometric detection of NADH with carbon paste electrode incorporating calcium-exchanged zeolite and Methylene Blue*, The 12<sup>th</sup> International Conference on Electroanalysis, ESEAC, Prague, Cseck Republic, 16-19 June 2008 (poster).
  38. **Delia Gligor**, Yusuf Dilgin, Ionel Cătălin Popescu, Lo Gorton, *A new polymeric phenothiazine compound for electrocatalytic oxidation of NADH*, The 12<sup>th</sup> International Conference on Electroanalysis, ESEAC, Prague, Cseck Republic, 16 - 19 June 2008 (poster).
  39. Dan Rusu, Oana Băban, I. Hauer, **Delia Gligor**, L. David, Maria Rusu, *Physical-chemical characterization of the potassium 11-tungstovanado (IV) phosphate anion*, EUCMOS, Opatija, Croatia, September 2008 (poster).
  40. Monica Baia, **Delia Gligor**, Lucian Baia, F. Toderaș, Ionel Cătălin Popescu, Simion Aștilean, *Adsorption study of 16H, 18H-dibenzo[c,1]-7,9-dithia-16,18-diazapentacene on different gold substrates*, The 3<sup>rd</sup> Advanced Spectroscopies on Biomedical and Nanostructured Systems, NANOSPEC, Cluj-Napoca, 7-10 September 2008 (poster).
  41. Oana Băban, C. Someșan, Dan Rusu, **Delia Gligor**, Maria Rusu, L. David, *Physical-chemical characterization of the potassium 11-tungstovanado (IV) arsenate anion*, The 3<sup>rd</sup> Advanced Spectroscopies on Biomedical and Nanostructured Systems, NANOSPEC, Cluj-Napoca, 7-10 September 2008 (poster).
  42. Codruța Varodi, **Delia Gligor**, Sorin Dorneanu, Ionel Cătălin Popescu, Liana M. Mureșan, *Amperometric determination of ascorbic acid in fruit juices with carbon paste electrodes incorporating synthetic zeolites and Methylene Blue*, The 59<sup>th</sup> Meeting of ISE, Seville, Spain, 7-12 September 2008 (poster).
  43. **Delia Gligor**, Yusuf Dilgin, Ionel Cătălin Popescu, Lo Gorton, *Electrocatalytic detection of NADH using glassy carbon electrodes modified with a new poly-phenothiazine derivative*, The 59<sup>th</sup> Meeting of ISE, Seville, Spain, 7-12 September 2008 (poster).
  44. Castelia Cristea, Luiza Găină, Luminița Silaghi-Dumitrescu, Dan Porumb, **Delia Gligor**, *Microwave-assisted synthesis and electrochemical characterization of bis-phenothiazinyl-methane derivatives*, The XXIII<sup>rd</sup> European Colloquium on Heterocyclic Chemistry, Antwerp, Belgium, 9-13 September 2008 (poster).

45. Codruța Varodi, Ocsana Axuc, **Delia Gligor**, Ionel Cătălin Popescu, Liana Mureșan, *Ascorbic acid determination by using an amperometric biosensor*, International Conference on Ecological Materials and Technologies ECOMAT Bucharest, 25-26 September **2008** (poster).
46. Yusuf Dilgin, **Delia Maria Gligor**, Lo Gorton, *Photoelectrocatalysis of NADH with electropolymerized modified electrodes*, The 7<sup>th</sup> Spring Meeting of ISE, Szczyrk, Poland, 22 -25 March **2009** (oral communication presented by Y. Dilgin).
47. **Delia Maria Gligor**, Izabell Crăciunescu, Ionel Cătălin Popescu, Lo Gorton, *Electrochemical behavior of carbon nanotubes paste electrodes modified with Methylene Green and Meldola Blue adsorbed on a synthetic zeolite*, XX<sup>th</sup> International Symposium on Bioelectrochemistry and Bioenergetics, Sibiu, Romania, 10-14 May **2009** (poster).
48. **Delia Gligor**, Andrada Măicăneanu, Silvia Burcă, Alain Walcarius, *Amperometric sensor for hydrogen peroxide based on solid carbon paste electrode modified with an iron-rich natural zeolite*, Journées d'Electrochimie 2009, Sinaia, Romania, 6-10 July **2009** (poster).
49. **Delia Gligor**, Codruța Varodi, Liana Mureșan, *Chemical adsorption of a phenothiazine derivative onto carbon nanotubes: towards improved performances for NADH electrocatalytic oxidation*, Journées d'Electrochimie 2009, Sinaia, Romania, 6-10 July **2009** (poster).
50. Mihaela Ligia Ungureșan, **Delia Maria Gligor**, Francisc Dulf, Iulian O. Maga, Tiberiu Coloși, Mihail Abrudean, *Theoretical preliminaries associated to analogical modelling and numerical simulation of the adsorption process for poly-phenothiazine formaldehyde on graphite electrodes*, CSCS17, The 17<sup>th</sup> International Conference on Control Systems and Computer Science, 26–29 May **2009**, Bucharest (oral communication presented by Mihaela Ungureșan).
51. Mihaela-Ligia Ungureșan, Andrada Măicăneanu, **Delia Gligor**, Eva-Henrietta Dulf, Maria Stanca, Silvia Burcă, Horea Bedeleian, Francisc-Vasile Dulf, *Experimental study and modelling of iron and copper adsorption on natural zeolites*, 5<sup>th</sup> Black Sea Basin Conference on Analytical Chemistry, Fatsa, Turkey, 23-26 September **2009** (poster).
52. Didem Giray Dilgin, H. Ismet Gokcel, Zekerya Dursun, Yusuf Dilgin, **Delia Maria Gligor**, *Photoelectrocatalysis of NADH at a poly-Neutral Red/glassy carbon electrode*, The 8<sup>th</sup> International Electrochemistry Meeting in Turkey, Antalya, Turkey, 8-11 October **2009** (oral communication presented by Y. Dilgin).
53. Mihaela Ligia Ungureșan, Francisc-Vasile Dulf, Andrada Măicăneanu, **Delia-Maria Gligor**, *Iron exchange on natural zeolites. Comparison of linear and non-linear regression analysis methods*, 2010 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics, AQTR 2010 (THETA 17), 28-30 May **2010** (oral communication presented by Mihaela Ungureșan).
54. Mihaela Ligia Ungureșan, **Delia-Maria Gligor**, *Effect of light irradiation and immobilization of carbon nanotubes on kinetic parameters corresponding to Michaelis - Menten equation, for NADH sensors based on phenothiazine graphite modified electrodes*, 2010 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics, AQTR 2010 (THETA 17), 28-30 May **2010** (oral communication presented by Mihaela Ungureșan).
55. Codruța Varodi, Andrada Măicăneanu, Liana M. Mureșan, **Delia Gligor**, *Cu-exchanged zeolite incorporated in carbon nanotubes paste electrode for hydrogen peroxide determination*, Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences "IC-ANMBES-2010" Brașov, Romania, 18-20 June **2010** (poster).
56. **Delia Gligor**, *Amperometric determination of nitrite in waste water sample using glassy carbon electrode modified with film of poly-Toluidine Blue O and carbon nanotubes*, Environmental Legislation Safety Engineering and Disaster Management ELSEDDIMA, 25-27 October **2012**, Cluj-Napoca (oral communication presented by Delia Gligor).

**57. Delia Maria Gligor**, Codruța Mihaela Varodi, Sanda Andrada Măicăneanu, Liana Maria Mureșan, *Obtaining method of an amperometric sensor for hydrogen peroxide detection, based on carbon paste electrode modified with a copper enriched natural zeolite*. National Patent, International Fair of Research, Innovation and Inventics PRO INVENT, 19-21 March **2014**, Technical University from Cluj-Napoca (poster).

## (2) National Conferences

1. Liana Mureșan, **Delia Dicu**, Liviu Oniciu, *Electrozi chimic modificali cu hexacianoferrat de cobalt (Chemically modified electrodes with cobalt hexacyanoferrate) (in Romanian)*, National Symposium "Electrochemical sensors and biosensors", Cluj-Napoca, **1995** (poster).
2. **Delia Dicu**, Liana Mureșan, Ionel Cătălin Popescu, *Comportarea electrochimică a electrodului de grafit modificat cu 1,1,2,2,3,3,4,6,7,8,9-undecacloro-1,2-dihidro-fenotiazina (Electrochemical behavior of graphite electrode modified with 1,1,2,2,3,3,4,6,7,8,9-undecachloro-1,2-dihydro -phenothiazine) (in Romanian)*, Annual Session of scientific communications, Oradea University, 25-26 May **2000** (poster).
3. **Delia Dicu**, Liana Mureșan, Castelia Castelia, Ioan Alexandru Silberg, Ionel Cătălin Popescu, *Graphite electrodes modified with chlorinated derivatives of phenothiazine*, The 10<sup>th</sup> National Conference of Physical Chemistry, Iași, Romania, 2-6 October **2000** (poster).
4. **Delia Gligor**, Marius Socol, Edith Lapsanzski, Ionel Cătălin Popescu, *Comportarea electrochimică a unor derivați fenotiazinici adsorbiți pe electrozi de grafit (Electrochemical behavior of some phenothiazine derivatived adsorbed on graphite electrodes) (in Romanian)*, Annual Session of Scientific Communications, Oradea University, 24-25 May **2001** (poster).
5. **Delia Gligor**, Liana Mureșan, Castelia Cristea, Ioan Alexandru Silberg, Ionel Cătălin Popescu, *Hetero-aromatic ammine modified electrodes applied in mediated heterogeneous electrocatalysis*, Symposium "30 years of education in chemical engineering" Cluj-Napoca, 6-8 September **2001** (poster).
6. Vasilica Lateș, **Delia Gligor**, Mircea Dărăbanțu, Liana Mureșan, *Studiul electrochimic al unor dendrimeri triazinici (Electrochemical study of some triazine dendrimers) (in Romanian)*, National Session of Student Scientific Communications "Costin D. Nenițescu Competition", 18 November **2005**, Bucharest (oral communication presented by V. Lateș).
7. **Delia Gligor**, *Electrozi pastă de cărbune modificali cu doi noi compuși organici adsorbiți pe un zeolit sau pe o argilă (Carbon paste electrodes modified with two new organic compounds adsorbed on a zeolite and o clay) (in Romanian)*, Elsedima 18-19 October **2008** (oral communication presented by Delia Gligor).
8. **Delia Maria Gligor**, *Senzori amperometrici pentru controlul calității mediului pe bază de materiale adsorbante (Amperometric sensors for environment quality control based on adsorbant materials) (in Romanian)*, Environment & Progress, 25 October **2013**, Cluj-Napoca, Romania (oral communication presented by Delia Gligor).
9. Flavia Narcisa Rebedea, Izabell Crăciunescu, **Delia Maria Gligor**, *Materiale polimerice de tip hidrogel modificate cu ioni de nichel pentru detecția nitriților în probe reale de apă (Polymeric materials of hidrogel type modified with nickel ions for detection of nitrites in real samples of water) (in Romanian)*, Environment & Progress, 25 October **2013**, Cluj-Napoca, Romania (oral communication presented by F. Rebedea).
10. Ioan Ilie Todoran, Ion Alexandru Pupăzan, **Delia Maria Gligor**, *Detecția amperometrică a nitriților utilizând electrozi pastă de cărbune modificali cu diatomită și zeoliți naturali adsorbiți cu Albastru de Toluidin (Amperometric detection of nitrites using carbon paste electrodes modified with diatomite and natural zeolites adsorbed with Toluidine Blue) (in Romanian)*, Environment & Progress, 25 October **2013**, Cluj-Napoca, Romania (poster).