



## ANEXES

### LIST OF PUBLISHED AND ELABORATED SCIENTIFIC CONTRIBUTIONS

#### A. PUBLISHED PAPERS

##### 1. ISI published papers

- Cârâc G.**, Ispas A.  
*Effect of nano-Al<sub>2</sub>O<sub>3</sub> particles and of the Co concentration on the corrosion behaviour of electrodeposited Ni-Co alloys*  
 Journal of Solid State Electrochemistry, 2012, 16(11), 3457-3465,  
<http://link.springer.com/article/10.1007%2Fs10008-012-1909-y>
- Rusu (Cosor) D. E., Ispas A., Bund A., Gheorghies C., **Cârâc G.**  
*Corrosion Tests of Nickel Coatings Prepared from a Watts-Type Bath*  
 Journal of Coatings Technology and Research, 2012, 9(1), 87-95, DOI: 10.1007/s11998-011-9343-0,  
<http://www.springerlink.com/content/q05750887t246180/>
- Ramanaviciene A., Minkstimiene A, K., Oztekin Y., **Cârâc G.**, Voronic J., German N., Ramanavicius A.  
*Visualization of red-ox proteins on the gold surface using enzymatic polypyrrole formation,*  
 Microchimica Acta, 2011, 175:79-86. DOI 10.1007/s00604-011-0645-9.  
[http://journals2.scholarsportal.info/details.xqy?uri=/00263672/v175i1-2/79\\_vorpotgsuepf.xml](http://journals2.scholarsportal.info/details.xqy?uri=/00263672/v175i1-2/79_vorpotgsuepf.xml)
- Mikoliunaite L., Makaraviciute A., Suchodolskis, A., Ramanaviciene A., Oztekin Y., Stirke, A., Jurkaite G., Ukanis M.,  
**Cârâc G.**, Cojocar P. Ramanavicius A.  
 Atomic Force Microscopy Study of Living Baker's Yeast Cells  
 Advanced Science Letters, 2011, vol. 4, 368-376  
[http://www.researchgate.net/publication/232715807\\_Atomic\\_Force\\_Microscopy\\_Study\\_of\\_Living\\_Baker's\\_Yeast\\_Cells](http://www.researchgate.net/publication/232715807_Atomic_Force_Microscopy_Study_of_Living_Baker's_Yeast_Cells)
- Cantaragiu A. M., Cojocar P., **Cârâc G.**, Gheorghies C., Magagnin L.  
*Electrocodeposition of Ag/TiO<sub>2</sub> nanocomposite coatings in cyanide free electrolytes*  
 Transactions of the Institute of Metal Finishing, 2011, vol. 89(1) 39-43  
<http://www.ingentaconnect.com/content/maney/imf/2011/00000089/00000001>
- Hagioglu P., Gheorghies C., **Cârâc G.**  
*Accelerated corrosion behavior of Cu-Zn tombac used in production of patrimony goods*  
 Environmental Engineering and Management Journal, 2011, 10(2)199-203. <http://omicron.ch.tuiasi.ro/EEMJ/>
- Cojocar P., Leserria, A., Magagnina L., Vázquez M., **Cârâc G.**  
*Electrodeposition of Ni/ Co and Ni Magnetic Nanowires using Allumina Template*  
 ECS Transactions, 2011, 33 (34)43-49 (The 217<sup>th</sup> ECS Meeting ECS, Las Vegas, NV, October 4, 2010)  
[http://ecst.ecsdl.org/cgi/collection/electrochemical\\_chemical\\_deposition-etching?page=6](http://ecst.ecsdl.org/cgi/collection/electrochemical_chemical_deposition-etching?page=6)
- Cantaragiu A.-M., **Cârâc G.**, Gheorghies C.  
*Electrochemical study of AISI 316L Stainless Steel in different nanoparticle suspensions*  
 Journal of Optoelectronics and Advanced Materials 2010, 12(11) 2391 – 2399
- Rusu, D. E., Cojocar, P., Magagnin, L., Gheorghies, C., **Cârâc, G.**  
*Study of Ni-TiO<sub>2</sub> nanocomposite coating prepared by electrochemical deposition*  
 Journal of Optoelectronics and Advanced Materials 2010, 12(11) 2419 – 2422
- Stoica M., Bruma M., **Cârâc G\***  
*Electrochemical study of AISI 304 SS at disinfectants with fungi*  
 Materials and Corrosion, 61(9999), 12, 2010, 1017-1025, ISSN: 0947-5117.  
<http://onlinelibrary.wiley.com/doi/10.1002/maco.v61.12/issuetoc#jumpTo>

- Cantaragiu, A.M., Cojocar, P., Magagnin, L., **Cârâc, G.**, Gheorghies, C.  
*Electrophoretic synthesis and characterization of bioactive HAp/TiO<sub>2</sub> thin films coated on stainless steel*  
Journal of Optoelectronics and Advanced Materials 2010, 12 (4) 913-918, INOE Publishing House, ISSN: 1454-4164.
- Stoica, M., Cârâc, G., Apetrei, C., Cantaragiu, A.-M.  
*Electrochemical study of stainless steel surfaces in biodegradable biocides*  
Journal of Optoelectronics and Advanced Materials 2010,12 (4)919-922, INOE Publishing House, ISSN: 1454-4164
- Rusu D. E., Ispas A., Bund A., Gheorghies C., **Cârâc G.**  
*Microstructure and corrosion resistance for the electrodeposited nickel from watts baths*  
Journal of Optoelectronics and Advanced Materials 2010, 12(6)1372 – 1377, INOE Publishing House, ISSN: 1454-4164
- Stoica M., **Cârâc, G.**, Nicolau A., Tofan C.  
*The importance of finishing for the integrity of Stainless Steel surfaces during sanitation treatments*  
Journal of Environmental Protection and Ecology, vol. 11 (2010). ISSN: 1311-5065.
- Bruma M., Stoica M., **Cârâc G.**, Alexe P.  
*AISI 430 stainless steel behaviour at different disinfectants*  
Romanian Journal of Food Science, 2010, 1(1) 39-44.
- Cojocar P., Muscolino F., Magagnin L., Vázquez M. Badini-Confalonier G., **Cârâc G.**  
*Electrodeposition of Ni/Co and Ni Magnetic Nanowires using Alumina Template*  
The 216<sup>th</sup> ECS Meeting ECS, Vienna, Austria, October 4 - October 9, 2009  
ECS Transactions, 2010, 25 (27) 147-153, CODEN: ECSTF8, ISSN-1938-5862 (print),  
[http://www.ecsd.org/new\\_ECST](http://www.ecsd.org/new_ECST)
- Thiemig D., Cantaragiu A.M., Schachschal S., Bund, A., Pich A., **Cârâc G.**, Gheorghies C.  
*Electrocodeposition of hydroxyapatite nanoparticles with zinc-iron alloys*  
Surface & Coatings Technology 2009, 203 (10-11)1488-1493  
<http://www.sciencedirect.com/science/article/pii/S0257897208010566>
- Stoica M., **Cârâc G.**, Tofan C., Constantin O. E., Enache G.  
*Effect of fungal suspensions in NaDCC disinfectant on the corrosion behaviour AISI 304 stainless steel*  
Journal of Agroalimentary Processes and Technologies, 15 (4), 2009, p. 543-546, 4 pg. Ed. Agroprint, ISSN 1453-1399.  
BDI Index: IFIS – International Food Information Service ([www.Foodsciencecentral.com](http://www.Foodsciencecentral.com)); CAS – Chemical Abstracts Service ([www.cas.org](http://www.cas.org); CAS ref; 163659); CABI – Publishing Website Serials Cited Submission ([www.cabi.org](http://www.cabi.org))
- Iticescu, C., Murarescu, M., **Cârâc, G.**  
*Influence of Nd<sub>2</sub>O<sub>3</sub> in Copper and Copper Composite Coatings obtained by Electroless Plating*  
Anale Universitatea Bucuresti, Chimie 2009; 18(1):51-57  
[http://gw-chimie.math.unibuc.ro/anunivch/analele\\_univ\\_chimie.html](http://gw-chimie.math.unibuc.ro/anunivch/analele_univ_chimie.html) CAPlusSM coverage by CASCODEN: ANUBEU
- Gheorghies C., Hui D., **Cârâc G.**, Stasi I. V.  
*Doping Effect on Texture Degree of a Composite Layer*  
World Journal of Engineering, 2008, 5(4), 620-621
- Iticescu, C., Mitoseriu, O., **Cârâc, G.**, Lampke, Th.  
*Electrochemical deposition of composite coatings in copper matrix with TiO<sub>2</sub> nanoparticles*  
Revue Roumaine de Chimie, 2008, 53(1) 43–47
- Cârâc, G.**, Iticescu C., Benea, L., Lampke, Th., Steinhauser S.  
*The effect of nano-Al<sub>2</sub>O<sub>3</sub> dispersed phase in nickel matrix electrocodeposited*  
Revue Roumaine de Chimie, 2007, 52(11)1057–1062  
[http://revroum.getion.ro/wp-content/uploads/2007/RRCh\\_11\\_2007/Art%2007.pdf](http://revroum.getion.ro/wp-content/uploads/2007/RRCh_11_2007/Art%2007.pdf)
- Cârâc G.**, Bund, A., Thiemig D.  
*Electrocodeposition and characterization of cobalt lanthanide oxides composite coatings*  
Surface & Coatings Technology, 2007, 202 (2), 403-411  
<http://www.sciencedirect.com/science/article/pii/S0257897207006202>
- Gheorghies, C., **Cârâc, G.**, Stasi I.V  
*Preparation and Structural Characterisation of Nickel/Alumina nano-Particles Composite Coatings*  
Journal of Optoelectronics and Advanced Materials, 8 (3), 2006, p.1234-1237, Bucharest, ISSN 1454-4164

Gheorghies C., **Cârâc G.**, Stasi I. V.  
*Preparation and structural characterization of nickel/alumina nano-particles composite coatings,*  
 Journal of Optoelectronics and Advanced Materials, 2006, 8(3) 1234-1237

**Cârâc, G.**, Benea, L., Iticescu, C., Lampke, Th.; Steinhauser, S.; Wielage, B.  
*Codeposition of Cerium Oxide with Nickel and Cobalt Correlation between  
 Microstructure and Microhardness*  
 Surface Engineering, vol. 20, No. 5, 2005, S. 353-359, DOI: <http://dx.doi.org/10.1179/026708404X1134>  
<http://www.sciencedirect.com/science/article/pii/S0257897207006202>

Benea, L., **Cârâc, G.**  
*Obtaining of composite coatings by metal electrodeposition using disperse particles*  
 Cercetări Metalurgice și de Noi Materiale (Romanian- English) 1997), 5(2) 20-40  
 CODEN: CMEMEW ISSN: 1221-5503. Journal written in English-Romanian.  
 CAN 127:240195 AN 1997:566442 CAPLUS (Copyright 2005 ACS on SciFinder (R)).

## 2. BDI published papers (selective)

Zăpodeanu I., Burlacu M., Ionel G., Radu A., Stanciu C., **Cârâc G.**, Dinica R., Dumitru P., Aniculaesei G.  
*Increase of paper security rate in order to prevent counterfeit and forgery,*  
 14<sup>th</sup> Intern. Symposium on Cellulose Chemistry and Technology, Iassy, Romania, Sept. 8-10, 2010

Dinică, R., Furdul, B., **Carac, G.**, Stanciu C.  
*Fluorescent N-Heterocycles Via One Pot Tandem Reactions*  
 5-eme Colloque Franco-Roumain de chimie Applique (COFrRoCA), Bacău, 22-26 June 2008  
 ISBN:973-8392-36-5, indexare: CAN 143:266794, AN 2004:1043739, CAPLUS

Georgescu, L. P., **Cârâc, G.**  
*Study on the Interdependence between Human Activities and Soil Quality on the Nearby Zone of Danube River*  
 Field Screening Europe 2001 Conference; Karlsruhe-Germany, Mai 14-16, 2001, Int. Conf., Kluwer Acad. Publishers, ISBN 1-4020-0739-6, 2002, p. 21-27,  
 CODEN: 69EBSA Conference written in English. CAN 140:64355 AN 2003:477334 CAPLUS (Copyright 2005 ACS on SciFinder (R))

## 3. Papers published in CNCSIS recognized journals (selective)

Popa, P., **Cârâc, G.**, Cojocaru, P.  
*Comparative electrochemical study on Ni and Ni-Co alloys*  
 The Annals of the "Dunarea de Jos" University of Galati, Fascicle II - Mathematics, Physics, Chemistry, Informatics (CD-ROM)YEAR III (XXXII) 2009, Proc. 1st Intern. Symp. on Applied Physics – Materials Science, Environment and Health (ISAP1), Galati, Nov.28<sup>th</sup>-29<sup>th</sup>, ISSN 2066-712, 2009, p. 189-195

Cosor (Rusu) D. E., Ispas A., Bund A., **Cârâc G.**, Gheorghies C.  
*A study on Ni electrodeposited from a Watts bath*  
 The Annals of the "Dunarea de Jos" University of Galati, Fascicle II - Mathematics, Physics, Chemistry, Informatics (CD-ROM)YEAR III (XXXII) 2009, Proc. 1st Intern. Symp. on Applied Physics – Materials Science, Environment and Health (ISAP1), Galati, Nov.28<sup>th</sup>-29<sup>th</sup>, ISSN 2066-712, 2009, p. 371-375

Iticescu C, **Cârâc, G.**, Mitoseriu O.  
*Influence of CeO<sub>2</sub> on the Electroless Deposition of the Copper Coatings,*  
 Bulletin of the Polytechnic Institute of Iassy, Tomul LI (LV),  
 Fascicle 3, ISSN 1453-1690, p. 149-154

Iticescu C., **Cârâc G.**, Mitoseriu O.  
*Electroless Plating Using Particles in the Electrolyte*  
 The 3<sup>th</sup> Conference of the Faculty of Chemistry, Bulletin of the Polytechnic Institute of Iassy, Tom XLIX (LIII),  
 Fascicle 5, Chemistry and Industrial Chemistry, p. 201-206

Iticescu C., **Cârâc G.**, Mitoseriu O.  
*The Optimization of Parameters in Copper Coatings Obtained by Electroless Plating*  
 The 11<sup>th</sup> Conference on Physical Chemistry, Timișoara, Romania, 3-5 Sept. 2003, Annals of West University of Timisoara, Series Chemistry, ISSN 1224-9513, vol. 12, no.3, p. 569-575

**Cârâc G.**, Iticescu C., Mitoseriu O.  
*The Effect of Concentration of Embedded Particles in Electrodeposited Cu-CeO<sub>2</sub> Composite Coatings*  
 The 11<sup>th</sup> Conference on Physical Chemistry, Timișoara, 3-5 Sept.2003,  
 Annals of West University of Timisoara, Series Chemistry, 2003, 12(3) 475-485, ISSN 1224-9513

- Florea T., Zara M., Nicolau A., **Cârâc G.**, Vasile A.  
*Potential Risk at Food Packaging Using Cellulosic Materials*,  
 The Annals of „Dunarea de Jos”, University of Galati, Fasc. VI, Tehnologia Produselor Alimentare, ISSN 122-4574, p. 72-79
- C. Iticescu, O. Mitoşeriu, **Cârâc, G.**,  
*Preparation and Investigation of Cu-CeO<sub>2</sub> Composite Coatings*,  
 The Annals of „Dunarea de Jos”, University of Galati, Fasc. IX, Metallurgy and Material Science, 2004, 1, 5-10, ISSN 1453-083 X, 43
- Cârâc, G.**, Mitoşeriu, O., Milanova, M., Todorovskiy D.  
*Lanthanide Compounds in the Electroplating Processes*  
 The Annals of Dunarea de Jos, University of Galati, Fascicle IX, Metallurgy and Material Science, 1997, 35-39; ISSN 1453-083 X, 43
- Cârâc G.**, Mitoşeriu O., Potecaşu F., Mitoşeriu L.  
*Structural Aspects of Cobalt-Ceria Composite Coatings Obtained by Electrodeposition*  
 The Annals of „Dunarea de Jos”, University of Galati, Fasc. IX, Metallurgy and Material Science, 1997, 39-43, ISSN 1453-083 X, 43

#### 4. Papers published in works of the international symposiums (selective)

- Cârâc G.**, Dinica R., Stanciu C., Zapodeanu I.  
 Electrochemical study of a novel series of heterocyclic compounds of pyridine,  
 South-East Europe Sava Center, Belgrade, Serbia, RSE-SEE, June 6 to 10, 2010, poster OEH P-07.
- R. Dinica, B. Furdui, **G. Cârâc**, I. Zapodeanu, A. Birladeanu,  
 Synthese de Nouvelles sels Quaternaires de Pyridine et leur etudes Electrochimiques,  
 Sixieme Colloque, Franco Roumaine de Chimie Aplique, COFrRoCA 2010, Orleans, France, 7-10 julliet 2010,  
[www.univ-orleans.fr/cofroca2010](http://www.univ-orleans.fr/cofroca2010)
- R. Dinica, B. Furdui, C. Stanciu, **G. Cârâc**,  
 Proprietes Electrochimiques d'une Serie d'accepteurs d'electrons base sur nHeterocycles,  
 Sixieme Colloque, Franco Roumaine de Chimie Aplique, COFrRoCA 2010, Orleans, France, 7-10 julliet 2010,  
[www.univ-orleans.fr/cofroca2010](http://www.univ-orleans.fr/cofroca2010)
- G. Cârâc**, Benea L., C. Iticescu, Th. Lampke and S. Steinhäuser (2003);  
*Correlation between Structure and Resulting Wear and Corrosion Resistance of Functionally Modified Surfaces by Codeposition of Cerium Oxide with Nickel and Cobalt*,  
 The EUROCORR Conference, Budapest- Hungary, 28 Sept.-2 Oct.2003, Session WP17, Abstract 282 (paper accepted for oral presentation, published in proceeding).
- Banu, A., **Cârâc, G.**, Calota, A., 2006,  
*Comparative electrochemical study in cobalt and cobalt molybdenum coatings*,  
 Nonconventional Technology, Review, nr. 1, ISSN 1454-3087; p. 25-30, 6 pg.
- Banu, A., **Cârâc, G.**, Marcu M., 2005,  
*Electrochemical and corrosion behavior of Ni-ZrO<sub>2</sub> electrodeposited layers*  
 Nonconventional Technology, Review, nr. 3, ISSN 1454-3087; p. 85-88; 4 pg.
- Cârâc G.**, Mitoşeriu, O., ,  
*Obţinerea acoperirilor compozite Co-CeO<sub>2</sub>*,  
 Tehnologii Calitate, Maşini, Materiale 25 (TCMM), Ecologie-Acoperiri Metalice-Coroziune, 1997, Ed. Teh., ISBN 973-31-113-9, 1997,  
 p. 125-130
- Cârâc, G.**, Schneider, W. Mitoşeriu, O., Plieth, W.  
*Structural Aspects of Electrodesited Cobalt-Ceria Composite Coatings*,  
 Jahrestagung 1998, der G.D.Ch. Fachgruppe Angewandte Electrochemie und 4. Electrochemisches Grundlagensymposium, 30th  
 Sept.-2th Oct., Frankfurt am Mein, Germany, Abstract, 50, (2000), Monographie Bd.18, Proceedings of the "Metalle in der  
 Elektrochemie", ISBN 3-924 763-85-2, p. 110-116, 6 pg.  
 CODEN: GDCHAI Journal written in English. CAN 138:228348, AN 2002:960810 CAPLUS (Copyright 2005 ACS on SciFinder (R))
- Mitoseriu, O.; Drugescu, E.; Benea, L.; Levcovici, S.; Potecasu, F.; Constantinescu, S.; **Cârâc, G.**; Mitoseriu, L.  
*Composite coatings obtained by codeposition during copper, cobalt and iron electroplating*,  
 Surface Modification Technologies XI, Proceed. of the Intern. Conference.  
 11th, Paris, Sept. 8-10, 1997 (1998), Meeting Date 1997, p. 417-422, 6 pg. (Publisher: Institute of Materials, London, UK ).  
 CODEN: 66MAA8 Conference written in English. CAN 129:251640 AN 1998:495326 CAPLUS (Copyright 2005 ACS on SciFinder (R))
- Mitewa, M.; **Cârâc, G.**; Milanova, M.; Todorovskiy, D.  
*Synthesis of lanthanoid complexes with saturated N6-macrocyclic hexacyclene*  
 Bulg. Godishnik na Sofiiskiia Universitet "Sv. Kliment Okhridski", Khimicheski Fakultet (1999), vol. date 1997, 89, p. 35-38, 4 pg.  
 CODEN: GSKFAL ISSN: 0584-0317. Journal written in English. CAN 133:37276 AN 2000:301197 CAPLUS (Copyright 2005 ACS on SciFinder (R))

## 5. Posters (representative)

Dinică, R, Furdui B, **Cârâc G.**, Bârlădeanu A, Stanciu, C.

*Synthesis of novel Fluorescent Precursors starting from substituted pyridines via microwave irradiation*,  
First Symposium on Microwave Assisted Organic and Peptide Synthesis, 4-5 June, Montpellier, France, p.25

Dinică, R, Furdui B, **Cârâc G.**, Stanciu, C.

*Synthesis of novel Fluorescent Precursors starting from substituted pyridines via microwave irradiation*,  
First Symposium on Microwave Assisted Organic and Peptide Synthesis, 4-5 June, Montpellier, France, p. 24

**Cârâc G.**, Bund A., Wuensche F., Lampke Th., Steinhäuser S.

*Electroplating with Al<sub>2</sub>O<sub>3</sub> and SiO<sub>2</sub> nano-particles from a pyrophosphate bath*

Mehrländertagung mit 42.Jahrestagung der DGO, Dresden, 22-24 Septem. 2004, Annual DGO Meeting, Dresden, Germany P45.

## B. BREVETS

Security paper and methods, for its obtaining No.: a200901013/2010

## C. GRANTS

### • International GRANTS (representative)

#### Coordinator

Bilateral Cooperation Project ROM 01/014 (2002-2004).

*Electrochemical and chemical investigations of the co-deposition of small particles (SiC, CeO<sub>2</sub>, Al<sub>2</sub>O<sub>3</sub>, nanodiamonds) with copper, nickel, cobalt, zinc and gold matrices*

**Cârâc Geta** (principal investigator) and Siegfried Steinhäuser, Germany - Romania

SONDERFORSCHUNGSBEREICH 609, Grant individual in proiectul Elektromagnetische Strömungsbeeinflussung in Metallurgie, Kristallzüchtung und Elektrochemie (Electromagnetic influence on convection in metallurgy, crystal growth and electrochemistry); Dresden University of Technology, Institute of Physical Chemistry and Electrochemistry; August 2005.

Grant individual STSM (Short Term Scientific Mission) G. Cârâc,

COST-ONLINE\_STSM-D33-2446, (February), Host's Name and Institution: Arunas Ramanavicius, Vilnius University, Lithuania

Grant individual STSM (Short Term Scientific Mission) G. Cârâc, Nanostructured composite coatings obtained by electrodeposition-processing and properties characterization, Trento University-Italy (August 2005)

2000-2013: responsible Erasmus/Socrates Germany, Technical University Dresden,

2004-2013: responsible Erasmus/Socrates Germany Chemnitz University of Technology

2008-2013: responsible Erasmus/Socrates Lithuania, Vilnius University

2001-2002: responsible Erasmus/Socrates Spain, University from Barcelona

### • National projects

#### Coordinator

2009: PCE-IDEI, project no 2290, **G. Cârâc - Manager**

*Obtaining of electrodeposited nickel nanowires in nanoporous structures of nanocelule anodized aluminum oxide.*

2000-2002 ORIZONT Grant no 537 **G. Cârâc** and al. (secondary investigator).

*Paper and Carton Microbiological Criteria for Food Industry (paper for packing, filter fibrous composites for alimentary liquids)*

2007, Impact ELESINAN, no 589/2007, **G. Cârâc**,

*Electrochemistry for nanostructures systems, for studies of chemical and biochemical processes, no founded*

#### Member

2011-2014, PN-II-ID-PCE-2011-3-0226: „Access to new bioactive molecules by development of original biocatalysts for reactions like click-chemistry”,

2007-2010: Research Grant, CNMP PNII, Nr.71 -126/62D7/18.09.2007, name FILFLOSEC, partner 1 University „Dunărea de Jos”,

Integrated system for security of value marks and documents, realized in the process of obtaining and printing of support paper, CNMP, UDJ

2006-2007: Regional centre for monitoring and research of environment quality „Dunărea de Jos” University, Galați; CEEX IV no. 299/18.09.2006

## D. OTHER SCIENTIFIC CONTRIBUTIONS

Stoica, M., Bahrim, G., **Cârâc, G.**

Capitol: *Factors that Influence the Electric Field Effects on Fungal Cells*

In Science against microbial pathogens: communicating current research and technological advances

A. Méndez-Vilas (Ed.), Publisher: Formatex Research Center, vol.2. 291-302, ISBN (13): 978-84-939843-1-1

[www.formatex.org/microbiology3/chapters1.html](http://www.formatex.org/microbiology3/chapters1.html)

Stoica, M., Alexe P., Dinică, R., **Cârâc, G.**

Capitol: *Electrochemical Behaviour of AISI 304 Stainless Steel Immersed in Mixtures Consisting by Biocide and Fungal Suspensions*  
in: The Food Industry / Book 2, Ed: In-Tech, Croatia, ISBN 979-953-307-709-2.

### Other professional activities

1. I have supervised at the undergraduate students with an average of 4-6 students per academic year (from 1996-present: 35).
2. I was member of the faculty board, adjunct of the head of department of chemistry (2002-2004).
3. I developed few teaching materials (in Romanian language), including 7 university handbooks and many practicals.
4. I have a good experience in the development of the researches contract with industries partner for environmental needs.

01/2012