

## CURRICULUM VITAE

<b>Personal information</b>	
Name and Forename	<b>GHEORGHIES Livia</b>
Address(es)	Str. Domneasca, 111, 800201, Galati, Romania
E-mail(s)	livia.gheorghies@ugal.ro
Nationality	Romanian
Date of birth	February, the 5 <sup>th</sup> , 1950
<b>Fields of competence</b>	
	<ul style="list-style-type: none"> <li>• <i>Structural Analysis;</i></li> <li>• <i>Solid state Physics;</i></li> <li>• <i>Nondestructive Control;</i></li> <li>• <i>Ceramic thin films;</i></li> <li>• <i>Defectoscopy: X-ray, Gamma-ray,</i></li> <li>• <i>Crystallography;</i></li> <li>• <i>Nanomaterials;</i></li> </ul>
<b>Professional experience</b>	
Period	<ul style="list-style-type: none"> <li>• 1974-1988, <i>Physicist</i>, Shipping Yard, Galati</li> <li>• 1988-1990, <i>Physicist</i> in Materials Science Department, Dunarea de Jos University of Galati</li> <li>• 1990-1998, <i>Lecturer</i>, in Materials Science Department, Dunarea de Jos University of Galati</li> <li>• 1998-2002, <i>Associate Professor</i>, Materials Science Department, Dunarea de Jos University of Galati</li> <li>• 2002-present, <i>Professor</i>, Materials Science Department, Dunarea de Jos University of Galati</li> </ul>
<b>Occupied function or position</b>	<i>Professor</i>
<b>Education and Formation</b>	
Period	<ul style="list-style-type: none"> <li>• <i>Faculty of Physics</i>, 01.10.1969-30.06.1973, University „Al. I. Cuza” Iasi, Romania, <b>Bachelor in Physics</b></li> <li>• <i>Faculty of Physics</i>, 01.10.1973-30.06.1974, University „Al. I. Cuza” Iasi, Romania, <b>Master graduate in Optics and Spectroscopy.</b> University „Al. I. Cuza” Iasi, Romania</li> <li>• <i>Institute of Atomic Physics</i> , 01.03.1975-31.05.1975, Bucharest, Romania, <b>Expert in using of radioactive isotopes</b></li> <li>• <i>Faculty of Metallurgy and Materials Science</i>, 01.10.1992-23.04.1998, Dunarea de Jos University of Galati, Romania, <b>Ph.D. (Doctor in Structural Analysis of Materials)</b></li> </ul>
<b>Qualification / Obtained diploma</b>	<ul style="list-style-type: none"> <li>• <i>Bachelor in Physics</i></li> <li>• <i>Master graduate in Optics and Spectroscopy</i></li> <li>• <i>Expert in Using of Radioactive Isotopes</i></li> </ul>

	<ul style="list-style-type: none"> <li>• <i>Doctor in Structural Analysis of Materials</i></li> </ul>
<b>Member of professional associations</b>	<i>Center of Nanostructures and Functional Materials(CNMF), Dunarea de Jos University of Galati ( since 2006)</i>
<b>Personal aptitudes and competences</b>	<i>No hobby</i>
<b>Known foreign language</b>	English, French
<b>Manager competences and aptitudes</b>	Organizationally spirit
<b>Other competences and aptitudes</b>	Good manipulation of computer.
<b>Annex</b>	List of publications (selection)

## Professor Livia GHEORGHIES

### ANNEX

#### LIST OF THE ELLABORATED AND/OR PUBLISHED PAPERS ( Selection)

##### A. Ph. D. THESIS

*Contributions to obtain and study of ceramic electrodepositions having superior properties* , 1998, Univ. „Dunărea de Jos” din Galați

##### B. BOOKS

C. Gheorghieș, **L. Gheorghieș**, *Nanomateriale și Nanotehnologii*, p. 150, **Ed. CERMI**, Iași, 2008. ISBN 978-973-667-300-9

**L. Gheorghieș**, *Nanomecanica Suprafeței*, p.135, **Ed. Ars Docendi**, București, 2004. ISBN 973-558-130-2

M. S. Levcovici, E. Vasilescu, **L. Gheorghieș**, A. Doniga, P. Alexandru, M. Rîpă, 310, *Ingineria suprafețelor*, p. 387, **Ed. Didactică și Pedagogică**, București, 2003. ISBN 973-30-2969-6

**L. Gheorghieș**, *Ruperea Materialelor*, p. 440, **Ed. Ars Docendi**, București, 2002. ISBN 973-8118-60-3

**L. Gheorghieș**, C. Gheorghieș, *Materiale Ceramice Avansate*, 154, **Ed. Evrika**, Brăila, 2001

L. Gheorghies, *Proprietățile Mecanice ale Metalelor*, p. 302, Ed. Ars Docendi, București, 2001. ISBN 973-8118-91-3

C. Gheorghies, L. Gheorghies, C. Roman, *Roentgenocristalografie*, p. 168, Ed. Tehnică, București, 1994. ISBN 973-31-0620-8

C. Gheorghies, L. Gheorghies, *Controlul texturii metalelor cu radiații X*, p. 190, Ed. Tehnică, București, 1994. ISBN 973-31-0496-5

## C. SCIENTIFIC PAPERS

### Papers published in ISI journals

- L. Gheorghies, D.O. Dorohoi, *Intermolecular interactions in dipolar binary solutions*, **Romanian Journal of Physics**, 53(1-2) (2008), 71-77.
- Gheorghies, L. Gheorghies, D. D. Dorohoi, *Solvent influence on some complexes realized by hydrogen bond*, **Journal of Molecular Structure**, September 2008, Pages 122-127
- L. Gheorghies, C. Gheorghies, *Preparation of GaAs thin films from acid aqueous solution*, **Journal of Optoelectronics and Advanced Materials** Vol. 4, No. 4, December 2002, p. 979- 982
- L. Gheorghies, M. Dimitriu, E. Filip, D.O. Dorohoi, *Universal interactions in binary solutions, studied by spectral means*, **Romanian Journal in Physics**, Volume 55, Issue 1-2, 2010, Pages 103-109 ISSN:1221146X

### Papers published in international proceedings

- C. Gheorghies, S. Condurache-Bota, V. Paunoiu, L. Gheorghies, *Structural Changes of the steel caused by a pitting-type of corrosion*, **Proceedings of the 8-th International conference on Technology and Quality for sustained Development, TQSD-08, Bucharest, Romania, pp. 69-74.**
- Fetecau, C., Gheorghies, C, Stan, F., Gheorghies, L., *Effect of the machining parameters on the quality of the surface finish of thermoplastic materials*, **Proc. of the PMI 2007, University of Ghent, April 18-21, 2007, Belgium.**
- C. Gheorghies, L. Gheorghies and Dana Dorohoi, *Solvent influence on some complexes realised by hydrogen bond*, **IX-th International Conference on Molecular Spectroscopy, Wroclaw - Ladek Zdroj, 12 - 16.09, 2007, Poland**
- Gheorghies C., Condurache-Bota S., Gheorghies L, *Decreasing the Irradiation Level during Coke Moisture Measurements inside a furnace at Iron-Steel Plants*, **IRPA Regional Congress for Central and Eastern Europe, Braşov, Romania, 24-28 September, 2007**
- C. Gheorghies, C. Oancea, L. Gheorghies, A. Cantaragiu, N. Cănanău, *Studies on corrosion process of stainless steel plates*, **Romanian International Conference on Chemistry and Chemical Engineering, RICCCE XV, Sinaia-Romania, 19-22 Sept. 2007.**
- C. Gheorghies, L. Gheorghies and S. Condurache-Bota, *Experimental conditions in preparation of chromia coatings*, **The Coatings Conference, Erlangen, 8-10 April, 2004, Germany**
- C. Gheorghies, L. Gheorghies, *Experimental conditions in preparation of the zirconia coating*, **Proc. of the 2<sup>nd</sup> International Conference THE COATINGS in Manufacturing Engineering, Hannover, Germany, May 9-10, 2001, p. B10-13.**
- C. Gheorghies, L. Gheorghies *A comparative Study Concerning the Estimation of the Phase Transformation Points* **Proc. of the 3-rd International Conference on Industrial Tools, Rodaska Slatina, Maribor, Slovenija, 22-26 April, 2001, vol. II, p. 187-191;**
- C. Gheorghies, L. Gheorghies, *Structural study of zirconia electroplating*, **Proc. of the Int. Conf. on Adv. in Mat. and Proc. Tech.**, Sept. 18-21, 2001, Leganes, Madrid, Spain, p.455-459;
- C. Gheorghies, L. Gheorghies, *Study of Zirconia Powder Obtained by Electrodeposition Method*, **Proc. of the Int. Conf. on Adv. in Mat. and Proc. Tech.**, Sept. 18-21, 2001, Leganes, Madrid, Spain, p.342-345;

- C. Gheorghies, **L. Gheorghies**, Experimental conditions in preparation of the zirconia coating, **Proc. of the 2<sup>nd</sup> International Conference THE COATINGS in Manufacturing Engineering, Hannover, Germany, May 9-10, 2001, p. B10-13;**
- **L. Gheorghies**, C. Gheorghies, *Characterisation of TiO<sub>2</sub> microporous ceramic membranes*, **Stanje i perspektive istrazivanja i razvoja u hemijskoj i masinskoj industriji, Zbornik radova, p.127-131, Krusevac, 22-24 okt. 2001, Yugoslavia;**
- C. Gheorghies, **L. Gheorghies**, *Formation of the Thin Ceramic Films Structure*, **Proc. of the 32 - nd Int. Sci. Symp. of the Def. Res. Agen., Bucharest, April, 12-13, 2001, vol. II, p.180-185;**
- **L. Gheorghies**, C. Gheorghies, *The electrolytic preparation and physical characterization of AsGa films from an acid aqueous solution*, **Prediction in Materials Science, Proceedings of the 41-st International Seminar on Modelling and Optimisation of Composites-MOC'41, Odessa, 25-26 April, 2002, p.151, Ukraine.**
- **L. Gheorghies**, C. Gheorghies *Effect of the pH on Crystal Phase of Electrolytic ZrO<sub>2</sub> Coatings*, **The 4-th Int. Congr. Sci. Mat., University "Gh. Asachi", 18-20 Apr., Iași, 2002**

### **Papers published in bulletins and national proceedings**

- C. Gheorghies, I. Ostache, **L. Gheorghies**, C. Oancea, *Using of laser radiation in micromachining process of metals*, **The 13-th International Conference of Nonconventional Technologies, May,17-18, 2007, Iasi.**
- **L. Gheorghies**, C. Gheorghies, *Effect of the pH on Crystal Phase of Electrolytic ZrO<sub>2</sub> Coatings*, **The 4-th Int. Congr. Sci. Mat., University "Gh. Asachi", 18-20 Apr., Iași, 2002**
- Gheorghies, I. Stefanescu, **L. Gheorghies**, S.Ciortan and G. Andrei, *Preparation of tin nanoparticles used as oil additive*, **Proc. of the International Conference on Lubrication, VAREHD 13, Suceava, Romania, 6 - 7 October 2006, ISBN 13-978-973-666-215-7.**
- C. Gheorghies, G. Carac, **L. Gheorghies** *Control of thin films texture by X-ray diffraction measurements*, **8<sup>th</sup> Symposium of Colloid and Surface Chemistry, Galați 2-4 iunie 2005, pp.105-112**
- **L. Gheorghies**, C. Gheorghies, *Microstructure control of precipitated zirconia*, **TEHNOMUS XII, a XII-a Conferință științifică cu participare internațională, 6-7 iunie, 2003, Suceava, Romania**
- **L. Gheorghies**, C. Gheorghies, *X-ray diffraction method in fine structural analysis*, **Buletinul Institutului politehnic din Iași, Tom XLVII(LI), Fasc. 3-4, Secția Știința și Ingineria Materialelor (2001), p.39-43**
- **L. Gheorghies**, C. Gheorghies, *X-ray diffraction method in fine structural analysis*, **Buletinul Institutului politehnic din Iași, Tom XLVII(LI), Fasc. 3-4, Secția Știința și Ingineria Materialelor (2001), p.39-43**
- Gheorghies, **L. Gheorghies**, C. Oancea, P. Hagioglu, V. Atanasiu, *Behavior of Ni/Al<sub>2</sub>O<sub>3</sub> Nanocomposite thin layers in corroding environment*, **Analele Universității Dunărea de Jos din Galați, Fascicle IX. Metallurgy and Materials Science, no.2-2009 , pp.88-91., ISSN 1453-083X**
- Gheorghies, **L. Gheorghies**, V. Atanasiu, *On corrosion behaviour of organic nanocomposite coatings*, **Analele Universității Dunărea de Jos din Galați, Fascicle IX. Metallurgy and Materials Science, no.2-2009 , pp.47-41., ISSN 1453-083X**
- Gheorghies, **L. Gheorghies**, S. Cortan, V. Păunoiu, A. M. Cantaragiu, C. C Lalau, D.E. Rusu, *Structural analysis of alumina in layer prepared by controled oxidation process*, **Annals of Dunarea de Jos University of Galați, Fasc. V. year XXVII (XXXII), pp.319-321., ISSN 1221- 4566.**
- Gheorghies, **L. Gheorghies**, V. Atanasiu, *Characterization of materials surface by X-ray reflectivity measurements*, **Annals of Dunarea de Jos University of Galați , Fasc.VIII, Tribology, 2009 (XV), ISSN 1221-4590**
- Gheorghies, S. Levcovici, V. Paunoiu, **L. Gheorghies**, C. Oancea, I. Ostache P. Alexandru, *XRD Analysis in front of a corrosion crack tip*, **The Annals of „Dunarea de Jos” University of Galati, Fascicle IX, Metallurgy and Materials Science, N.1-2008, ISSN 1453-083X pag.37-46**
- **L. Gheorghies**, *Researches concerning phase transition of zirconium titanate prepared by electrolytic method*, **The Annals of „Dunarea de Jos” University of Galati, Fascicle IX, XXIV, 2006, PP.71-73., ISSN 1453-083X.**

**D. RESEARCH-DEVELOPMENT PROJECTS BASED ON CONTRACTS**

- Grant CNCSIS 3/680/2007 *Technology for preparation of anticorrosive and thermal barriers*
- Grant CNCSIS 7/680/2008 *Technology for preparation of anticorrosive and thermal barriers*

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