

LISTA CARTILOR PUBLICATE DE CATRE MEMBRII SECTIEI

Prof. Dr. Ing. Ecaterina ANDRONESCU  
 Membru Titular, Președinte Secția Științe Chimice

Nr. crt	Numele si prenumele autorilor	Titlul cartii	Editura	Anul aparitiei
1.	Anton Fikai, Madalina Georgiana Albu, Denisa Fikai, <b>Ecaterina Andronescu</b>	Advances in the field of soft tissue engineering: From pure regenerative to integrative solutions; <i>Nanobiomaterials in Soft Tissue Engineering - Applications of Nanobiomaterials Vol 5</i>	<i>Elsevier</i>	2016
2.	Alina Maria Holban, Alexandru Mihai Grumezescu, <b>Ecaterina Andronescu</b>	Inorganic nanoarchitectonics designed for drug delivery and anti-infective surfaces; <i>Surface Chemistry of Nanobiomaterials - Applications of Nanobiomaterials Vol 3</i>	<i>Elsevier</i>	2016
3.	<b>Ecaterina Andronescu</b> , Alexandru Mihai Grumezescu, Mădălina-Ionela Gușă, Alina Maria Holban, Florina-Cristina Ilie, Alexandra Irimia, Irina-Florentina Nicoară, Mihaela Țone	Synthesis and biomedical applications of nano-hydroxyapatite, <i>Nanobiomaterials in Hard Tissue Engineering - Applications of Nanobiomaterials Vol 4</i>	<i>Elsevier</i>	2016
4.	Oana Fufă, <b>Ecaterina Andronescu</b> , Alexandru Mihai Grumezescu, Dragos Radulescu	Metallic nanosystems in hard tissue implants, <i>Nanobiomaterials in Hard Tissue Engineering - Applications of Nanobiomaterials Vol 4</i>	<i>Elsevier</i>	2016
5.	<i>Gabriela Purcel, Daniela Meliță, Ecaterina Andronescu, Alexandru Mihai Grumezescu</i>	Collagen based nanobiomaterials: challenges in soft tissue engineering, <i>Nanobiomaterials in Soft Tissue Engineering - Applications of Nanobiomaterials Vol 5</i>	<i>Elsevier</i>	2016
6.	Roxana Cristina Popescu, <b>Ecaterina Andronescu</b> , Alexandra Elena Oprea, Alexandru Mihai Grumezescu	Toxicity of inorganic nanoparticles against prokaryotic cells, <i>Nanobiomaterials in Antimicrobial Therapy - Applications of Bionanomaterials Vol 6</i>	<i>Elsevier</i>	2016
7.	Carmen Mariana Chifiriuc, Oana Mariana Fufă, Valentina Grumezescu, <b>Ecaterina Andronescu</b> , Alexandru Mihai Grumezescu, Alina Maria Holban	PLA and PLGA nanoarchitectonics for improving anti-infective drugs efficiency, <i>Nanobiomaterials in Antimicrobial Therapy - Applications of Bionanomaterials Vol 6</i>	<i>Elsevier</i>	2016
8.	Ștefania Marin, George Mihail Vlăsceanu, Roxana Elena Țiplea, Ioana Raluca Bucur, Mădălina Lemnaru, Maria Minodora Marin, Alexandru Mihai Grumezescu, <b>Ecaterina Andronescu</b>	Silver nanoparticles in cancer therapy, <i>Nanobiomaterials in Cancer Therapy - Applications of Nanobiomaterials Vol 7</i>	<i>Elsevier</i>	2016
9.	Roxana Cristina Popescu, Mariana Oana Mihaela Fufă, <b>Ecaterina Andronescu</b> , Alexandru Mihai Grumezescu	Specifically targeted imaging using functionalized nanoparticles, <i>Nanobiomaterials of Medical Imaging - Applications in Nanobiomaterials Vol 8</i>		
10.	Marin Cernea, Bogdan Stefan VASILE, Roxana TRUSCA, <b>Ecaterina ANDRONESCU</b>	Ceramici piezoelectrice pe bază de Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> (Piezoelectric Ceramics based on Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> ); ISBN: 666.3:537.226	POLITEHNICA Press	2015

11.	DENISA FICAI, ANTON FICAI, <b>ECATERINA ANDRONESCU</b>	Advances in Cancer Treatment; Role of Nanoparticles; 1-21	INTECH	2015
12.	<b>Ecaterina Andronescu</b> , Alexandru Mihai Grumezescu, Cristina Ghitulica, Anton Fikai, Denisa Fikai and Mariana Carmen Chifiriuc	Novel Approach to Fabricate Magnetic Nanostructures for Biomedical Applications; Nanotechnology, Vol VII: Diagnostics and Therapeutics, ISBN 1-62699-000-7	Studium Press LLC, Houston, USA	2012
13.	Alexandru Mihai Grumezescu, Mariana Carmen Chifiriuc, Crina Saviuc, Veronica Lazar, Dan Eduard Mihaiescu, <b>Ecaterina Andronescu</b>	Nanobiosystems with optimized antimicrobial and quorum sensing inhibitory activity, Nanotechnology, Vol VII: Diagnostics and Therapeutics, ISBN 1-62699-000-7	Studium Press LLC, Houston, USA	2012
14.	Fikai A, <b>Andronescu E</b> , VOICU G and Fikai D	Advances in Collagen/ Hydroxyapatite Composite Materials in "Advances in composite materials for medicine and nanotechnology"; ISBN 978-953-307-235-7 pg. 3-32.	INTECH	2011
15.	Fikai A, <b>Andronescu E</b>	Biomateriale compozite pe bază de colagen și hidroxiapatită utilizate în reconstrucția osoasă; ISBN: 978-606-515-257-1	Editura Politehnica Press	2011
16.	<b>Andronescu E</b> , Ghițulică C, VOICU G, Ștefania STOLERIU	<i>Nanopulberi și materiale ceramice. Obținere și caracterizare</i> , ISBN: 978-973-82-7, 102 pg	Editura Politehnica Press	2008
17.	Ghițulică C, <b>Andronescu E</b>	<i>Materiale ceramice poroase. Proprietăți, metode de obținere, aplicații</i> , ISBN: 978-973-7838-81-0, 127 pg	Editura Politehnica Press	2008
18.	Ghițulică C, <b>Andronescu E</b>	<i>Introducere în studiul biomaterialelor</i> , ISBN: 978-973-7838-80-3, 152 pg.,;	Editura Politehnica Press	2008
19.	<b>Andronescu E</b> , Marin Cernea, Dana, Maria Neacșu	<i>Ceramică dielectrică din Nanoparticule de titanat de bariu</i> , 182 pg.	Editura POLITEHNICA Press	2004
20.	<b>Andronescu E</b> , Sorin Jinga, Cornelia Jinga	<i>Ceramică pentru optoelectronică</i> ; 271 pg.	Editura Printech	2003
21.	<b>Andronescu E</b> , Dan Dascălu, Irina Kleps, Lorenzo Pavesi	<i>Nanoscience and Nanoengineering</i> , 216 pg.	Editura Academiei Române	2002

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Nr. crt	Numele si prenumele autorilor	Titlul cartii	Editura	Anul apariției
1	<b>Maria Gavrilescu</b>	Bioreactoare pneumatice	Editura Dosoftei, Iasi, Romania	1997
2	Rodica-Viorica Roman, <b>Maria Gavrilescu</b>	Fenomene de transfer în bioprocese	Editura Dosoftei, Iasi, Romania	1997
3	R.Z. Tudose, <b>Maria Gavrilescu</b>	Static Mixing, in Fermentation Processes In: Encyclopedia of Bioprocess Technology: Fermentation, Biocatalysis and Bioseparation M. Flickinger, M. and Drew S. (Eds.)	John Wiley & Sons, New York	1999
4	<b>Maria Gavrilescu</b> , Ion Grigoriu, Rodica- Viorica Roman	Reactoare chimice cu agitare mecanică	VIE Press, Iasi, Romania	2000
5	<b>Maria Gavrilescu</b>	Bioreactoare aer-lift in biotehnologie și protecția mediului In: Progrese în biotehnologie, Popa, V.I. (Ed.).	SedcomLibris Press, Iasi, Romania	1999

6	Mihai Nicu, <b>Maria Gavrilesu</b> , Florina Ungureanu	Ingineria și managementul minimizării poluanților și deșeurilor la sursă	"Gh. Asachi" Technical University Printing House, Iași, Romania	2001
7	Matei Macoveanu, Doina Bilba, Nicolae Bilba, <b>Maria Gavrilesu</b> , Gabriela Soreanu	Procese de schimb ionic în protecția mediului	MatrixRom Press, Bucharest, Romania	2002
8	<b>Maria Gavrilesu</b>	Estimarea și managementul riscului	ECOZONE, Iasi Romania	2003
9	<b>Maria Gavrilesu</b> , Mihai Nicu	Reducerea poluării la sursă și minimizarea deșeurilor	ECOZONE, Iasi Romania	2004
10	<b>Maria Gavrilesu</b>	Transnational Research Co-Operation In: Opportunities and Challenges for Transnational Research Co-Operation, Editors: C. Teodosiu, S. Brodersen, M. Sogaard Jorgensen,	ECOZONE, Iasi Romania	2005
11	<b>Maria Gavrilesu</b> , Mihai Nicu	Reducerea poluării la sursă și minimizarea deșeurilor, (editia a II-a)	ECOZONE, Iasi Romania	2005
12	<b>Maria Gavrilesu</b> , Florina Ungureanu, Corneliu Cojocaru, Matei Macoveanu	Modelarea și simularea proceselor în ingineria mediului	ECOZONE, Iasi Romania	2005
13	<b>Maria Gavrilesu</b>	Estimarea și managementul riscului (editia a II-a)	ECOZONE, Iasi Romania	2006
14	<b>Maria Gavrilesu</b> , Cristina Costache	Prevenirea poluării și premise pentru implementarea producției curate în industria hârtiei In: Practici durabile pentru managementul apei în industria hârtiei, Editori: C. Teodosiu, D. Gavrilesu, F. Ungureanu,	Cermi, Iasi, Romania	2007
15	<b>Maria Gavrilesu</b>	Estimarea și managementul riscului (editia a III-a)	ECOZONE, Iasi Romania	2008
16	Florentina Anca Căliman, Brîndușa Mihaela Robu, Camelia Smaranda, Vasile Lucian Pavel, <b>Maria Gavrilesu</b> (Editor)	Poluanți persistenti în mediu Vol. I. Produse farmaceutice și de igienă Vol.II. Poluanți organici persistenti și coloranți Vol. III. Metale grele Vol. IV. Identificarea, estimarea și managementul integrat al riscurilor asociate impacturilor induse în mediu de poluanții persistenti	ECOZONE, Iasi Romania	2009
17	Florentina Anca Căliman, <b>Maria Gavrilesu</b>	Impacts of Sorption, Migration and Bioavailability of Contaminants on Soil Bioremediation In: Trends in Bioremediation and Phytoremediation, Ed. Grazyna Plaza	Research Signpost, Kerala, India,	2010
18	<b>Maria Gavrilesu</b>	Biosorption in Environmental Remediation In: Bioremediation Technology – Theory & Application, Editor M.H. Fulekar, (in Web of Science)	Springer Verlag - Capital Publishing, New Delhi	2010
19	<b>Maria Gavrilesu</b>	Sustainability In: Comprehensive Biotechnology, Editor Murray Moo-Young, vol. 2, Engineering Fundamentals in Biotechnology, Editor Collin Webb, (in Web of Science)	Elsevier	2011
20	A. Omran, H.A. Azziz, <b>Maria Gavrilesu</b> , A.M. Schiopu	Landfill-Ultimate Waste Management Technique	University of Sam Ratulangi Manado, Indonesia	2011
21	<b>Maria Gavrilesu</b>	Producție industrială durabilă	Editura Politehnicum, Iasi	2011

22	Vasile Lucian Pavel, Florian Stătescu, <b>Maria Gavrilescu</b>	Aspects Concerning the Behaviour of Heavy Metals In Soil In: Current topics, Concepts and Research Priorities in Environmental Chemistry, Editor Carmen Zaharia	Editura Universității „Alexandru Ioan Cuza” din Iași	2012
23	<b>Maria Gavrilescu</b>	Static Mixing in Fermentation Processes In: Encyclopedia of Industrial Biotechnology, Editor Michael C. Flickinger,	John Wiley & Sons, Inc., New York	2013
24	Elena-Diana Comanita, Mihaela Rosca, <b>Maria Gavrilescu</b>	Compuși organici în atmosferă din diverse surse de emisii și impactul lor asupra sănătății, In: Metode de evaluare a efectelor poluării aerului cu particule asupra sănătății copiilor, Editori: S. Iordache, D. Dunea	Matrix Rom, Bucuresti, Romania	2014
25	Petronela Cozma <b>Maria Gavrilescu</b>	Key Features of Contaminated Soils In: Contaminated Soils: a Guide to Sampling and Analysis, Editori: Gavrilescu M., Bulgariu L.	Future Science, London, UK	2014
26	<b>Maria Gavrilescu</b>	Biorefinery Systems: An Overview Cap. 15, In: Bioenergy Research: Advances and Applications, Editori: Gupta V., Tuohy M., Kubicek C., Sadder J., Xu F.	Elsevier	2014
27	<b>Maria Gavrilescu</b>	Colloid-Mediated Transport and Fate of Contaminants in Soils In: The Role of Colloidal Systems in Environmental Protection, Editor Monzer Fanun, (in Web of Science)	Elsevier, Amstredam,	2014
28	<b>Maria Gavrilescu</b> , Bulgariu L. Editori	Contaminated Soils: a Guide to Sampling and Analysis,	Future Science, London, UK	2014
29	Camelia Smaranda, <b>Maria Gavrilescu</b>	Behaviour of Organic Contaminants in Soil Environment In: Current Topics, Concepts and Research Priorities in Environmental Chemistry, Editor Carmen Zaharia, Vol. III	Editura Universității „Alexandru Ioan Cuza” din Iași	2014
30	<b>Maria Gavrilescu</b>	Biomass Potential for Sustainable Environment, Biorefinery Products and Energy In: Sustainable Energy in the Built Environment-Steps Towards nZEB Editor Ion Visa	Springer International Publishing	2014
31	Laura Bulgariu, <b>Maria Gavrilescu</b>	Bioremediation of Heavy Metals by Microalgae In: Handbook of Marine Microalgae: Biotechnology Advances, Editor S.K. Kim	Elsevier Inc.	2015
32	<b>Maria Gavrilescu</b> , Editor	Biosorption and Bioaccumulation, Principles and Applications in Environmental Bioremediation (include 9 capitole, toate avand co-autor pe Maria Gavrilescu)	Politehnum, Iasi, Romania	2016
33	<b>Maria Gavrilescu</b>	Theoretical Predictive Air Quality Models In: Comprehensive Analytical Chemistry, Volume 73, The Quality of Air, 1st Edition Editors: Miguel de la Guardia, Sergio Armenta, (in WEB of Science)	Elsevier, Amsterdam	2016
34	<b>Maria Gavrilescu</b>	Elaborarea, evaluarea și prezentarea	Politehnum, Iasi,	2017

		materialelor științifice. Strategii, etică și deontologie	Romania	
35	Raluca-Maria Hlihor, Laura Carmen Apostol, <b>Maria Gavrilesu</b>	Environmental Bioremediation by Biosorption and Bioaccumulation: Current State and New Perspectives In: Enhancing Remediation of Environmental Pollutants - Biological and Non-Biological Approaches Editor: N. Anjum, (in WEB of Science)	Springer Science+Business Media (New York)	2017
36	<b>Maria Gavrilesu</b> , Teofil Câmpean, Dan-Alexandru Gavrilesu,	Extending Production Waste Life Cycle and Energy Saving by Eco-Innovation and Eco-Design: The Case of Packaging Manufacturing, In: Nearly zero Energy Communities, Proceedings of the Conference for Sustainable Energy (CSE), Ion Visa, Anca Duta (Editori)	Springer Proceedings in Energy	2017
37	<b>Maria Gavrilesu</b> (Editor), Igor Crețescu, Teodor Măluțan, Adrian-Cătălin Puțel, Camelia Smaranda, Petronela Cozma, Raluca-Maria Hlihor, Isabela-Maria Simion, Diana-Elena Comăniță, Mihaela Roșca, Teofil Câmpean	Strategii și soluții pentru eco-inovarea și eco-proiectarea unor procese și produse din materiale reciclabile în contextul economiei circulare. Ghid de bune practici	Politehniun, Iasi, Romania	2018
38	Raluca Maria-Hlihor <b>Maria Gavrilesu</b> (Editori)	Modelarea dinamicii pesticidelor în produse vegetale și estimarea riscurilor asupra sănătății umane	Politehniun, Iasi, Romania	2018
39	Cristina Ghinea, <b>Maria Gavrilesu</b>	Solid Waste Management for Circular Economy: Challenges and Opportunities in Romania – The Case Study of Iasi County, In: Towards Zero Waste. Circular Economy Boost, Waste to Resources, Vol. 6, Maria-Laura Franco-García, Jorge Carlos Carpio-Aguilar, Hans Bressers	Springer International Publishing, Amsterdam	2019
40	<b>Maria Gavrilesu</b> (coordinator), Mariana Diaconu, Laura Bulgariu, Irina Volf, Cezar Catrinescu, Camelia Smaranda, Petronele Cozma, Raluca-Maria Hlihor, Cristina Ghinea, Laura-Carmen Apostol, Elena-Diana Comăniță, Mihaela Roșca, Sebastian Ionuț Vasiliță	Explorarea și exploatarea abilităților microorganismelor, plantelor și a interacțiunilor dintre acestea pentru bioremedierea mediului	Editura Performantica Iași	2019
41	Mihaela Roșca, Raluca-Maria Hlihor, <b>Maria Gavrilesu</b>	Bioremediation of Persistent Toxic Substances: From Conventional to New Approaches in Using Microorganisms and Plants, In: Microbial Technology for the Welfare of Society, Kumar A.P. (Ed.),	Springer Singapore	2019

**Prof. Emeritus. Dr. Ioana Demetrescu**  
**Membri Titular,**

Nr. crt	Numele și prenumele autorilor	Titlul cărții	Editura	Anul apariției
1.	B. Galateanu, M Costache, S. Dinescu, Maya Simionescu, D Ionita, A Mazare, C., S. Drob, P. Drob, C. Vasilescu, E. Vasilescu, <b>Ioana Demetrescu</b> , I.C. Stancu, Lungu,	Advances Biocompatibles structures for prospective bioengineering concepts.	Ed. Academiei, ISSN: 978-973-27-2317-3	2013

	M.Albu, H.Iovu, D.Dimonie, M.Petrache, R.Gabor, S.M.Doncea, E.Vasile, R.C.Fierascu, Nicolae C.A., A.Cimpean, V.Simion, I.Titorencu, Pruna V, Jinga V.Corvin			
2.	<b><u>I.Demetrescu</u></b>	Chimie si Management de mediu	Ed Matrix ISBN 973-685-494-9	2002
3.	D. Ionita, B. Popescu, <b><u>I. Demetrescu</u></b>	Aspecte teoretice si aplicatii ale bioelectrochimiei	Editura Politehnica Press ISBN 978-973-7838-71-1	2008,
4.	Nelly Demian, E. Butuceanu, <b><u>I. Demetrescu</u></b> , E. Jurconi, B. Popescu	Aplicatii si probleme de Chimie generala	Editura didactica si pedagogica Bucuresti	1980
5	B.Popescu, <b><u>I. Demetrescu</u></b> .	Chimie generala	Editura Bren.	1999
6.	<b><u>I. Demetrescu</u></b> , S. Ionescu, H. Gheorghiu.	Adezivi. Proprietati si utilizari.	Editura Tehnica. Bucuresti	1994
7.	D.Drimer, <b><u>I Demetrescu</u></b>	Fibre de carbon	Ed Tehnica. Bucuresti	1986
8.	<b><u>I.Demetrescu</u></b> , D Ionita, C.Pirvu	Biomaterials and Stem Cells in Regenerative medicine Chapter Processing metallic biomaterials for better cell respon	Ed. CRC Press Taylor Francis group	2012

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Nr. crt	Numele si prenumele autorilor	Titlul cartii	Editura	Anul aparitiei
1.	<b>Marian Enachescu</b>	<i>Atomic Resolution and Nanometer-Scale Structuring</i>	Ed. Hieronymus Verlag - Germany, ISBN 3-928286-11-0	1994
2.	<b>Marian Enachescu</b> , Miquel Salmeron	<i>Adsorption of P, S, As, Se, and Sb on metals, alloys and semiconductors; Physics of Covered Solid Surfaces", editor H. P. Bonzel; Landolt-Börnstein Series on Numerical Data and Functional Relationships in Science and Technology</i>	Ed. Springer, ISBN 3-540-44341-X	2003
3.	<b>Marian Enachescu</b>	<i>Nanoscale Effects of Friction, Adhesion and Electrical Conduction in AFM Experiments; Atomic Force Microscopy - Imaging, Measuring and Manipulating Surfaces at the Atomic Scale</i>	Ed. InTech, ISBN 978-953-51-0414-8	2012
4.	Iulian Boerasu, <b>Marius Enachescu</b>	<i>Pulsed Laser Ablation Synthesis of Carbon Nano-Structures: Effect of Target Composition and Laser Ablation Condition on Their Yield and Morphology; New applications of nanomaterials</i>	Ed.Academiei Romane, ISBN 978-973-27-2311-1	2014
5.	Antoniu Moldovan, <b>Marius Enachescu</b>	<i>Wetting Properties at Nanometer Scale; Wetting and Wettability</i>	Ed. InTech, ISBN 978-953-51-2215-9	2015
6.	<b>Marian Enachescu</b> , Ruxandra Vidu, Ioan Opris	<i>Uncovering Cortical Modularity by Nanotechnology; Recent Advances on the Modular Organization of the Cortex</i>	Ed. Springer, ISBN 978-94-017-9899-0	2015
7.	Calin-Constantin Moise, <b>Marian Enachescu</b>	<i>High-Quality Carbon Nanomaterials Synthesized by Excimer Laser Ablation; Applications of Laser Ablation - Thin Film Deposition, Nanomaterial Synthesis and Surface Modification</i>	Ed. InTech, ISBN 978-953-51-2812-0	2016
8.	Liana Anicai, Aurora Petica, Stefania Costovici, Oana Brincoveanu, Aida Ghiulnare Pantazi, Danut Balan, <b>Marian Enachescu</b> , Teodor Visan	<i>Metal and alloy composites with carbon nanomaterials coatings obtained by electrodeposition from deep eutectic solvents; NANOTECHNOLOGIES AND NANOMATERIALS FOR VARIOUS</i>	Ed. Academiei Romane, ISBN 978-973-27-2311-1	2018

		<i>APPLICATIONS</i>		
9.	Adriana Marinoiu, Mircea Raceanu, Elena Carcadea, Aida Pantazi, Raluca Mesterca, Oana Tutunaru, Simona Nica, Daniela Bala, Mihai Varlam, <b>Marian Enachescu</b>	<i>Noble Metal Dispersed on Reduced Graphene Oxide and Its Application in PEM Fuel Cells; Electrocatalysts for Fuel Cells and Hydrogen Evolution</i>	Ed. InTech, ISBN 978-1-78984-812-0	2018
10	Adriana Marinoiu, Geanina Mihai, Oana Lazar, Sabrina Rosoiu, Mariana Prodana, Claudia Sisu, Mircea Raceanu, <b>Marius Enachescu</b>	<i>Nanomaterials – Functional Properties and Applications"/&gt;"Nanomateriale – Proprietăți Funcționale și Aplicații; Facile Preparation of Graphene-Supported Platinum-Cobalt Nanoparticles and Their Use as Electrocatalyst in Pem Fuel Cells</i>	Ed. Academiei Romane, ISBN 978-973-27-3290-8	2020

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Nr. crt	Numele si prenumele autorilor	Titlul cartii	Editura	Anul aparitiei
1.	ANTOHE N., <b>IONESCU E.</b> , VERDES R.	<i>Metode de identificare și dozare a unor principii active din plante medicinale</i>	Editura TEHNOPRESS, Iași	2009

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Nr. crt	Numele si prenumele autorilor	Titlul cartii	Editura	Anul aparitiei
1.	<b>Anton Ficai</b> , Alexandru Grumezescu (Editors)	Nanostructures for Antimicrobial Therapy; 722pages	Elsevier Science Publishing Co Inc	2017
2.	<i>Alexandru Mihai Grumezescu, Anton Ficai (Editors)</i>	<i>Nanostructures for Cancer Therapy; 920pages</i>	<i>Elsevier Science Publishing Co Inc;</i>	2017
3.	Denisa FICAI, <b>Anton FICAI</b> , Alexandru Mihai GRUMEZESCU	Organic Chemistry; Workbook of theoretical Applications (340 pag)	SITECH Publishing House, Craiova	2012
4.	<b>Anton FICAI</b> , Ecaterina ANDRONESCU	Biomateriale compozite pe bază de collagen și hidroxiapatită utilizate în reconstrucția osoasă (180 pag)	Politehnica Press	2011
5.	<b>Anton FICAI</b> , Denisa Mânzu	Volumetrie. De la teorie la aplicații de laborator (170 pg)	Politehnica Press	2009
6.	Ion ION, Alina Catrinel ION și <b>Anton FICAI</b>	<b>Probleme de chimie analitică</b> , Ed. a II-a (revizuită și îmbunătățită)	Printech	2005
7.	Ion ION, Alina Catrinel ION și <b>Anton FICAI</b>	<b>Probleme de chimie analitică</b>	Cartea Universitară	2003
8.	Ficai D, <b>Ficai A.</b>	Prevention of biofilm formation by material modification. Biofilms and Implantable Medical Devices: Infection and Control. p. 160-180	Elsevier Inc.	2016
9.	Mariana Carmen Chifiriuc, <b>Anton Ficai</b> , Alexandru Mihai Grumezescu, Lia-Mara Ditu, Marcela Popa, Carmen Iordache, Alina Maria Holban, Șerban Vifor Gabriel Beresteanu, Raluca Grigore, Veronica Lazar	Chapter 1 - Soft tissue engineering and microbial infections: Challenges and perspectives; in <i>Nanobiomaterials in Soft Tissue Engineering, 1-29</i>	Elsevier Inc.	2016
10.	Denisa Ficai, Madalina Georgiana Albu, Maria Sonmez, <b>Anton Ficai</b> , Ecaterina Andronescu	Chapter 13 - Advances in the field of soft tissue engineering: From pure regenerative to integrative solutions in Nanobiomaterials in Soft Tissue Engineering Applications of Nanobiomaterials Volume 5; <i>Alexandru Grumezescu (Ed); 355-</i>	Elsevier Inc.	2016

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11.	<b>Ficai A</b> , Ficai D, Andronescu E, Yetmez M, Ozkalayci N, <i>et al.</i>	Nanotechnology in dentistry. Nanobiomaterials in Dentistry: Applications of Nanobiomaterials: p. 187-210.	Elsevier Inc.	2016
12.	DENISA FICAI, <b>ANTON FICAI</b> , ECATERINA ANDRONESCU;	Advances in Cancer Treatment; Role of Nanoparticles, 1-21	INTECH	2015
13.	Alexandru Mihai Grumezescu, Alina Maria Holban, <b>Anton Ficai</b> , Valentina Grumezescu, Veronica Lazar and Mariana Carmen Chifiriuc:	Nanosized Materials with Antibiofilm Activity. Recent Developments in Biotechnology Vol. 10: Nano-Biotechnology	Studium Press LLC Houston, USA	2013
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**Prof. Dr. Ing. Dr.H.C. Marcel Popa**  
**Membu Corespondent**

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#### Membreu corespondent, Secretar, AOSR, Filiala Cluj-Napoca

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