

SIMI SCIENTIFIC COMMITTEE

Section: Pollution Control and Monitoring

PhD Marius Bumbac

SHORT PROFESSIONAL INFO (maxim 1-2 pages)

Lecturer at the University Valahia of Targoviste, Department of Sciences and Advanced Technologies.

Research and teaching activity is related with materials characterization with applications in the study of nanomaterials with useful practice in environmental technology and food industry.



ACTUAL POSITION

PhD Lecturer – Department of Sciences and Advanced Technologies

ACADEMIC QUALIFICATION

2008 - PhD (Faculty of Applied Chemistry and Material Sciences, UPB)

1997- Chemist (Faculty of Chemistry, UB)

RESEARCH INTEREST

Material characterization;

Supramolecular chemistry;

Polymer science;

Applied nanostructures;

SCIENTIFIC PUBLICATIONS / AWARDS (selection)

- [1]. Serban, B. C.; **Bumbac, M.**; Ionescu, O.; Dumitru, V.; Brezeanu, M.; Buiu, O.; Cobianu, C.; SCIENCE AND APPLICATIONS OF TAILORED NANOSTRUCTURES / QUANTUM DOTS VERSUS DYES IN SENSITIZED SOLAR CELLS: SYNTHESIS, OPTIMIZATION, PERFORMANCE, One Central Press (OCP), ISBN: 978-1-910086-19-3, (2016)
- [2]. Setnescu, T.; Bancuta, I.; Setnescu, R.; Bancuta, R.; Chilian, A.; **Bumbac, M.**; Chelărescu, E. D.; Culicov, O.; Frontasyeva, M.; Characterization of some therapeutic muds collected at different sites in Romania, REVUE ROUMAINE DE CHIMIE, 58 (7-8), 599-610, (2013),
- [3]. Radulescu, C.; Stihi, Cl.; Popescu, I. V.; Varaticeanu, B.; Telipan, G.; **Bumbac M.**; Dulama I. D.; Bucurica I. A.; Stirbescu R.; ICP-MS and SEM-EDS investigations of

insulating materials used in electrical machines, JOURNAL OF SCIENCE AND ARTS, 1844-9581, 1, 77-84, (2016),

[4].Serban, B. C.; Schiketantz, I.; **Bumbac, M.**; Popescu M. V.; CHIMIE ORGANICA: INTREBARI SI RASPUNSURI, Printech Publishing House, Bucuresti, (2014),

[5].Jipa, S.; Zaharescu, T., Setnescu, T.; Setnescu, R., Gorghiu, L. M.; Mihalcea, I.; **Bumbac, M.**; Effect of calixarenes on thermal stability of polyethylenes, Polymer Degradation and Stability, Volum 80 (2), 203–208, (2003).

Book awarded:

Silver medal for: Chimie organica. Intrebari si rasunsuri, ISBN 978-606-23-0313-6, Serban, B. C.; Schiketantz, I.; Bumbac, M.; Popescu M. V., EUROINVENT International Conference on Innovative Research (ICIR), 19th – 20th May, Iasi, 2016

Member of other Scientific Committees

- Member of Romanian Chemistry Society