

# STROESCU MARTA

## Reader

University "POLITEHNICA" Bucharest  
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Department Chemical Engineering



### Contact information

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### Education and training

Dates	from 10/1986 to 11/1997
Title of qualification awarded	PhD in Chemical Engineering
Principal subjects/occupational skills covered	Process and unit operation in Chemical Industry/Liquid – Solid Extraction Doctoral studies in sulphur recovery from volcanic type ores by liquid – solid extraction; PhD Thesis: "New possibilities for sulphur recovery from volcanic type ores"
Name and type of organisation providing education and training	University "Politehnica" of Bucharest
Level in national or international classification	ISCED Level 6
Dates	from 10/1971 to 07/1976
Title of qualification awarded	Chemical Engineer - Organic Substances Technology
Principal subjects/occupational skills covered	Organic Substances Technology/ Chemical Engineering; Physical and Chemical Sciences, Engineering Sciences
Name and type of organisation providing education and training	University "Politehnica" of Timisoara
Level in national or international classification	Master Degree at national level; ISCED Level 5
Dates	from: 09 / 1967 to: 06 / 1971
Title of qualification awarded	College graduate; baccalaureate
Principal subjects/occupational skills covered	Exact Sciences, Natural Sciences, foreign languages in order to obtain the baccalaureat diploma and to follow further the undergraduate and graduate studies
Name and type of organisation providing education and training	College Sannicolau Mare, Timis Country
Level in national or international classification	ISCED Level 4

### Professional experience

Dates	from: 10 / 1980 to: (ongoing)
Occupation or position held	Assistant, Lecturer, Reader
Main activities and responsibilities	Teaching activities: Unit Processes in Chemical Engineering, Biotechnology in Food Industries, Sustainable Biotechnology Research activities on the above mentioned fields and in mass transfer operations;
Name and address of employer	University "Politehnica" of Bucharest, 313 Spl. Independentei, 6 <sup>th</sup> District, Bucharest
Type of business or sector	Academia
Dates	from: 09 / 1977 to: 10 / 1980

Occupation or position held	Chemical Engineer
Main activities and responsibilities	Design of technological processes for paint and varnishes. Technical assistance at their industrial use
Name and address of employer	Paint and Varnishes Enterprise POLICOLOR Bucharest, 51 Theodor Pallady Bvd., 3 <sup>rd</sup> District, Bucharest
Type of business or sector	Chemical Industry
Dates	from: 09/ 1976 to: 09 / 1977
Occupation or position held	Chemical Engineer
Main activities and responsibilities	Supervise manufacturing of surfactants
Name and address of employer	„Detergentul” Enterprise, Stan Vidrighin Road 5, Timisoara
Type of business or sector	Chemical Industry

## Academic and research interests

### Teaching activity

*Se completeaza conform indicatiilor din tabel*

Ciclu studii (Master/licenta)	Denumire specializare	Cod disciplina din planul de invatamant	Titlu disciplina	Tip activitate (curs/proiect/laborator etc)
Licență	Ingineria și informatica proceselor chimice și biochimice	UPB.11.S.08.O.511	Procese unitare chimice și biochimice	Curs/laborator
Licență	Chimie alimentară și tehnologii biochimice	UPB.11.S.08.O.414	Tehnologii biochimice	Curs/laborator

### Publication (selective):

#### Books

- Amalia Gheorghe, Anicuta Stoica, Marta Stroescu; *Separări și purificări cu membrane emulsionate lichide*; Ed.PRINTECH, Bucuresti, 2009, 978-606-521-281-7, 156 pg
- Guzun Stoica Anicuța; Stroescu Marta; Dobre;T., Floarea; O.; *Operații de transfer termic în industria alimentară*, Ed. POLITEHNICA PRESS, Bucuresti, 2007, ISBN 978-973-7838-13-1, 403 pg
- Guzun Stoica Anicuța; Stroescu Marta; Floarea; O., Dobre;T.; *Operații de transfer interfazic*; Ed. Matrix ROM, București, 2001, ISBN 973-685-277-6, 304 pg
- Blaga; A.; Popescu; M., Stroescu; Marta; *Tehnologie Chimică Generală și Procese Tip*; Ed.Didactică și Pedagogică; București; 1983, ISBN

#### Articles (eventual cu link-uri care lucrarile publicate on-line)

- Iuliana Mihaela Jipa, Loredana Dobre, Marta Stroescu, Anicuta Stoica-Guzun, Sorin Jinga, Tanase Dobre, *Preparation and characterization of bacterial cellulose-poly(vinyl alcohol) films with antimicrobial properties*, Materials Letters 66 (1), 125–127, 2012, DOI:10.1016/j.matlet.2011.08.047
- Csaba Zoltán Kibédi-Szabó, Marta Stroescu\*, Anicuta Stoica-Guzun, Sorin Ion Jinga, Szabolcs Szilveszter, Iuliana Jipa ,Tanase Dobre, *Biodegradation behavior of composite films with poly (vinyl alcohol) matrix*, J Polym Environ, 20(2), 422-430, 2012, DOI 10.1007/s10924-011-0391-4
- Anicuta Stoica-Guzun, Marta Stroescu\*, Sorin Jinga, Iuliana Jipa, Tanase Dobre, Loredana Dobre, *Ultrasound influence upon calcium carbonate precipitation on bacterial cellulose membranes*, Ultrasonics Sonochemistry, 19(4), 909-915, 2012, DOI: 10.1016/j.ultsonch.2011.12.002

- Iuliana Mihaela Jipa, Anicuta Stoica-Guzun, Marta Stroescu, *Controlled release of sorbic acid from bacterial cellulose based mono and multilayer antimicrobial films*, LW T - Food Science and Technology, Vol 47 (2) 400-406, 2012, DOI:10.1016/j.lwt.2012.01.039
- Iuliana Mihaela Jipa, Marta Stroescu\*, Anicuta Stoica-Guzun, Tanase Dobre, Sorin Jinga, Traian Zaharescu, *Effect of gamma irradiation on biopolymer composite films of poly(vinyl alcohol) and bacterial cellulose*, Nuclear Instruments & Methods in Physics Research Section B.:278, 82-87, 2012, DOI:10.1016/j.nimb.2012.02.024
- Marta Stroescu, Anicuta Stoica-Guzun, Sorin Ion Jinga, Tanase Dobre, Iuliana Mihaela Jipa, Loredana Mihaela Dobre, *Influence of sodium dodecyl sulfate and cetyl trimethylammonium bromide upon calcium carbonate precipitation on bacterial cellulose*, Korean J. Chem. Eng., 29(9), 1216-1223, 2012, DOI: 10.1007/s11814-011-0290-3
- Marta Stroescu, Anicuta Stoica-Guzun, Sorina Ghergu, Nicoleta Chira, Iuliana Jipa, *Optimization of fatty acids extraction from Portulaca oleracea seed using response surface methodology*, Industrial Crops and Products, 43, 405–411, 2013, DOI.org/10.1016/j.indcrop.2012.07.051
- Marta, Stroescu; Anicuta, Stoica-Guzun; Iuliana Mihaela, Jipa; *Vanillin release from poly(vinyl alcohol)-bacterial cellulose mono and multilayer films*, Journal of Food Engineering, 114(2), 153-157, 2013, DOI:10.1016/j.jfoodeng.2012.08.023

**Research projects** ( eventual cu link-uri care paginile web daca exista)

- *Dezvoltarea unei metodologii de biocontrol exercitat de sistemele microbiene asupra infectiilor fungice (BIOCONTROL)* PN II/PC/D.6, Contract nr.61045/2007 Subcontract ICECHIM, (CH 45-07-17) – Responsabil proiect UPB;
- *Solutii ecoeficiente pentru gestionarea deseurilor de plastic folosind potentialul degradativ al sistemelor biologice (ECODEGRAD)* PN II/PC/D3, Contract nr.32115/2008 Subcontract ICECHIM, (nr. UPB CH 45-08-17) – Responsabil proiect UPB;
- *Materiale biopolimerice superabsorbante cu utilizari in agricultura (SABIOM)*, Proiect PCCA2 nr. 114 /2012, nr. UPB CH45-12-01– membru echipa cercetare
- *Materiale compozite hibride, pe baza de poliestiren expandat, destinate reabilitarii termice a cladirilor, (COMRETERM)*, PN II/PC/D.2, Contract nr.21027/2007 (CH 45-07-14);
- *Structuri polimerice impregnate pentru recunoasterea moleculara a compusilor bioactivi din plante (BIOSPIM)*, proiect cercetare de excelenta, nr. proiect 1088, nr inregistrare contract 148/20.07/2006-2008, (48-06-18) – membru echipa cercetare;
- *Solutii avansate de reducere a nivelului de compusi organici volatili din apele de suprafata si de adancime (RECOV)* proiect CEEX Contract nr. 127/2006 (ICECHIM) Subcontract nr. UPB 48-06-20 membru echipa cercetare.

**Other information**