

Anicuta Stoica **Reader**

University "POLITEHNICA" Bucharest
Faculty of Applied Chemistry and Materials Science
Department Chemical Engineering



Contact information

Address: Polizu 1-5, Corp D106; Cod 011061, Bucharest
Tel. (+4021) 4023870; Fax. (+4021)-
E-mail: stoica.anicuta@gmail.com

Education and training

Dates: from 1989 to 1997

Title of qualification awarded: PhD in Chemical Engineering

Principal subjects/occupational skills covered: Process and Unit Operations in Chemical Industry/Interfacial Mass Transfer; PhD thesis: Modeling of oscillation reactions at liquid-liquid interfaces

Name and type of organization providing education and training: University "Politehnica" of Bucharest-Romania

Level in national or international classification: ISCED Level 6

Dates from: 08 / 1978 to: 06 / 1983

Title of qualification awarded: Chemical Engineer - Macromolecular Substances Technology

Principal subjects/occupational skills covered: Macromolecular Substances Technology/Polymer Synthesis/Chemical Engineering; Physical and Chemical Sciences, Engineering Sciences

Name and type of organization providing education and training: University "Politehnica" of Bucharest-Romania

Level in national or international classification: Master Degree at national level; ISCED Level 5

Dates from: 1974 to 1978

Title of qualification awarded: Lyceum 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 organization providing education and training: Mihai Viteazul College -Ploiesti-Prahova-Romania

Level in national or international classification: ISCED Level 4

Professional experience

Dates: from: 08 / 1985 to: (ongoing)

Occupation or position held: Assistant, Lecturer, Reader

Main activities and responsibilities: Teaching activities: Unit operations in food engineering, Mass transfer operations, Mass transfer enhancement

Research activities on the above mentioned fields
Name and address of employer: University Politehnica Bucharest
Splaiul Independentei 313, Bucharest
Type of business or sector: Academia

Dates: from: from: 09 / 1973 to: 08 / 1985

Occupation or position held: Chemical Engineer

Main activities and responsibilities: Energy balances and supervising PEG production

Name and address of employer: Petrochemical Plant , Brazi, Ploiesti, Romania

Academic and research interests

Extraction of natural compounds, mass transfer through composite films, bacterial cellulose composites properties

Teaching activity

<i>Ciclu studii</i>	<i>Denumire specializare</i>	<i>Cod disciplina din planul de invatamant</i>	<i>Titlu de disciplina</i>	<i>Tip activitate</i>
Licenta	CEPA	UPB.11.T.04.O.211	Operatii unitare in ind.alimentara 2	Curs, seminar Proiect
Licenta	CATB, SIPOL, CISOPC	UPB.11.T.06.O.412 UPB.11.T.06.O.713 UPB.11.T.06.O.312	Operatii unitare in industriile de proces	Curs
Master	CA	UPB.11.S.09.O.0403	Metode moderne de procesare a alimentelor	Curs si proiect
Master	IC			

CEPA-Controlul si expertizarea produselor alimentare

CATB- Chimie alimentara si tehnologii biochimice

SIPOL-Stiinta si ingineria polimerilor

CISOPC- Chimia si ingineria substantelor organice,petrochimice si carochimice

CA-Chimie alimentara

IC-Inginerie chimica

Publication (selective):

Books

- Anicuta Stoica-Guzun, Advanced textiles for medical uses, Chapter 12, in Textiles: Types, Uses and Production Methods, Editor: Ahmed El. Nembr, Nova Publishers, 2012, ISBN: 978-1-62100-284-0
- Operații de transfer interfazic, Anicuta Guzun Stoica, Marta Catalina Stroescu, Tanase Dobre, Octavian Floarea. Ed. Matrix-2001 Bucuresti (in romanian)
- Operatii de transfer termic in industria alimentara, Anicuta Stoica, Marta Stroescu, Tanase Dobre, Octavian Floarea, Ed. Politehnica Press, 2007, ISBN 978-973-7838-13-1 (in romanian)
- Dimensionarea tehnologica a coloanelor de rectificare cu talere, Anicuta Stoica, Iuliana Jipa, Marta Stroescu, Tanase Dobre, Ed. Printech, 2010. (in romanian)

Articles

- Anicuta Stoica-Guzun, Luiza Jecu, Amalia Gheorghe, Iuliana Raut, Marta Stroescu, Marius Ghiurea, Mihai Danila, Iuliana Jipa, Victor Fruth, Biodegradation of Poly(vinyl alcohol) and Bacterial Cellulose Composites by *Aspergillus niger*, **J Polym Environ.**, Vol. 19 (1), (2011), 69-79
- Dobre T., Parvulescu O. C., Sanchez-Marcano J., Stoica A., Stroescu M., Iavorschi G., Characterization of gas permeation through stretched polyisoprene membranes, **Separ. Purif. Technol.**, 82, (2011), 202-209.
- I. M. Jipa, L. Dobre, M. Stroescu, A. Stoica-Guzun, S. Jinga, T. Dobre, Preparation and characterization of bacterial cellulose-poly(vinyl alcohol) films with antimicrobial properties, **Materials Letters**, 66, (2012), 125-127.

- C. Z. Kibédi-Szabó, M. Stroescu, A. Stoica-Guzun, S. I. Jinga, S. Szilveszter, I. Jipa, T. Dobre, Biodegradation Behavior of Composite Films with Poly (Vinyl Alcohol) Matrix, **J Polym Environ**, 20 (2), (2012), 422-430.
- A. 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, (2012), 909-915.
- I. M. Jipa, Anicuta Stoica-Guzun, Marta Stroescu, Controlled release of sorbic acid from bacterial cellulose based mono and multilayer antimicrobial films, **LTW -Food Sci. Technol.** 47, (2012), 400-406.
- M. Stroescu, A. Stoica-Guzun, S. I. Jinga, T. Dobre, I. M. Jipa, L. M. Dobre, Influence of sodium dodecyl sulfate and cetyl trimethylammonium bromide upon calcium carbonate precipitation on bacterial cellulose, **Korean Journal of Chemical Engineering**, 29(9), (2012), 1216-1223.
- 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 and Methods in Physical Research B**, 278, (2012), 82-87.
- M. Stroescu, A. Stoica-Guzun, S. Ghergu, N. Chira, I. Jipa, Optimization of fatty acids extraction from *Portulca oleracea* seed using response surface methodology, **Ind. Crop Prod.** 43, (2013), 405-411.
- Marta Stroescu, Anicuta Stoica-Guzun, Iuliana Mihaela Jipa, Vanillin release from poly(vinyl alcohol)-bacterial cellulose mono and multilayer films, **J. Food Eng.** 114, (2013), 153-157.

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

- SUPERABSORBENTS BIOPOLYMER MATERIALS FOR AGRICULTURE USES – SABIOM-Project
PCCA2-No. 114/2012.

Other information

- Member of Romanian professional organizations: Romanian Society of Chemical Engineers,
- Peer-Reviewer BULETIN STIINTIFIC UNIVERSITATEA "POLITEHNICA" BUCURESTI - SERIA B Chimie și Știința Materialelor, ISSN 1454-2331