

Anca Madalina Dumitrescu

lecturer

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Faculty of Applied Chemistry and Materials Science
Department of Chemical Engineering



Contact information

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Education and training

Dates	May 2004
Title of qualification awarded	PhD in Chemical Engineering
Principal subjects/occupational skills covered	„Methods of obtaining copolymers with constant composition”
Name and type of organisation providing education and training	“Politehnica” University of Bucharest, Faculty of Chemical Engineering
Dates	September 1981 –July 1986
Title of qualification awarded	Graduation diploma ()
Principal subjects/occupational skills covered	Chemical and mechanic engineering
Name and type of organisation providing education and training	Polytechnic Institute of Bucharest, Faculty of Equipment and Chemical Process Engineering

Professional experience

Dates	10.2001- today
Occupation or position held	Lecturer
Main activities and responsibilities	Teaching courses for Transport Phenomena and Mechanics, lectures, seminars, laboratories, semester and graduating projects in the area of chemical reactors, thermodynamics, transport and transfer processes, unit operations, in Romanian, French and English
Name and address of employer	“Politehnica” University of Bucharest, Chemical Engineering Department
Type of business or sector	Education
Dates	10.1991 – 10. 2001
Occupation or position held	Assistant professor

Main activities and responsibilities	Seminars, laboratories, semester projects in domains as: dimensional analysis, transport and transfer processes, conservation equations, unit operations, in Romanian, French and English
Name and address of employer	Politehnica" University of Bucharest, Chemical Engineering Department
Type of business or sector	Education
Dates	10.1989–09.1991
Occupation or position held	Chemical engineer, scientific researcher
Main activities and responsibilities	Member of the research team for the contracts : „Emulsifying cosmetics in ultrasound field”, „Dehydration of oil slurries by microwaves treatment”
Name and address of employer	Institute of Chemical and Biochemical Energetics, Bucharest
Type of business or sector	Research
Dates	10.1986–10.1989
Occupation or position held	chemical engineer
Main activities and responsibilities	Worked at the Thermo-Hydro Department, the supplier of thermal agents for the entire plant. Responsible for commissioning the water softening plant.
Name and address of employer	Petro-Chemical Plant Brazi, Brazi , Prahova
Type of business or sector	Petrochemistry, refinery

Academic and research interests

Teaching activity

Ciclu studii (Master/licenta)	Denumire specializare	Cod disciplina din planul de invatamant	Titlu disciplina	Tip activitate (curs/proiect/laborator etc)
License			<i>Phenomenes de transport</i>	<i>Lecture</i>
License			<i>Elemente de mecanica si inginerie mecanica</i>	<i>Lecture</i>
License			<i>Unit Operations</i>	<i>Seminary, project, laboratory</i>
License			<i>Chemical Engineering Fundamentals</i>	<i>Seminary</i>

Publication (selective):

Books

1. Paula POSTELNICESCU, Anca Madalina Dumitrescu, *Phénomènes de transfert en génie chimique*, Ed. Printech, Bucuresti, 2000, ISBN 973-652-062-5
2. Paula Postelnicescu, Anca Madalina Dumitrescu, Iuliana Emilia Moroianu, *Introducere în modelarea proceselor farmacocinetice*, Ed. Printech, Bucuresti, 2001, ISBN 973-652-486-8.
3. T.D. Danciu, Paula Postelnicescu, Anca Madalina Dumitrescu, R.S. Onofrei, *Bazele Ingineriei Chimice* Ed. Fair Partners, Bucuresti, 2004, ISBN 973-8470-30-7.
4. T.D. Danciu, Paula Postelnicescu, Anca Madalina Dumitrescu *Bazele Ingineriei Chimice* vol.2, Ed. Fair Partners, Bucuresti, 2007, ISBN 978-973-8470-86-6.
5. Ana Maria Josceanu, Raluca Daniela Isopescu, Paula Postelnicescu, Anca Madalina Dumitrescu, Razvan Onofrei, in "*Distance Education*", ed. Paul Birevu Muyinda, cap. 5, *E-Learning in Chemical Education*, 2012, 141 pagini (99-140), InTech Press, ISBN 978-953-51-0756-9.

Articles

- **Anca Mădălina Dumitrescu**, Emil Danciu *Echilibrul lichid – vapori X. Curba de fierbere la amestecurile benzen – anhidridă maleică și acetat de vinil–anhidridă maleică* Revista de chimie, **54**, nr 9, 2003, p. 772
- **Anca Mădălina Dumitrescu**, Emil Danciu, *Echilibrul lichid – vapori XI. Curba de fierbere pentru sistemul acetat de vinil – benzen - anhidridă maleică*, Revista de chimie, **54**, nr 10, 2003, p. 849
- **Anca Mădălina Dumitrescu**, Emil Danciu, *Utilizarea datelor de echilibru lichid vapori la conducerea unor procese chimice*, Revista de chimie, **55**, nr 1-2, 2004, p. 53
- **Anca Mădălina Dumitrescu**, Emil Danciu, *Using Liquid -Vapor Equilibrium Data for the Control of a Copolymerization Reaction*, Sci. Bull. U.P.B., B, **66**, nr. 1, 2004, p. 9
- E. Danciu, **Anca Dumitrescu**, T.D. Danciu, *Echilibru lichid-vapori IX. Instalatie pentru determinari experimentale la amestecuri binare de monomeri si date pentru sistemul acetatul de vinil-benzen*, Revista de Chimie, 56, nr.1, 2005, p.50
- Paula Postelnicescu, **Anca Madalina Dumitrescu**, *Influenta modului de compartimentare asupra reactorului pentru fabricarea polietilenei de joasa densitate*, Revista de Chimie, 56, nr.11, 2005
- Paula Postelnicescu, Anca Madalina Dumitrescu, *Simulation of Transport Processes of Antibiotics*, Revista de Chimie, 58, nr.6, 2007, p.557.
- **Anca Madalina Dumitrescu**, Paula Postelnicescu, T.D. Danciu, Elena Liliana Istrătescu, *Equilibrium Data for Acetone – Vinyl Acetate Binary Mixtures*, Revista de Chimie, 60, nr.1, 2009, p.45-47.
- Ana Maria Josceanu, Paula Postelnicescu, **Anca Madalina Dumitrescu**, V. Plesu, C. Stefan, *Remote Control Experiments in Chemical Engineering Education*, *Chem. Eng. Transactions*, 18, 2009, p. 773, ISBN 978-88-95608-04-4, ISSN 1974-979
- A. M. Josceanu, **A. M. Dumitrescu**, T. D. Danciu, R. D. Isopescu, P. Postelnicescu, V. Plesu, C. Stefan, *E-learning today*, *Chem. Eng. Transactions*, 21, 2010, p. 1057, ISBN 978-88-95608-05-1, ISSN 1974-9791

Research projects

PROJECT POSDRU 61839	Member	2010-02012
PROJECT PNCDI2, No. 22087/2008 “ ECOBUT ” CAPITALIZATION N-BUTANOL FERMENTATION PRODUCTION OF BIOFUELS LIVE	Member	2008-2011
PROJECT CMNP 21029 “ HERG ” HIDROGEN FROM RENEWABLE BIO RESOURCES	Member	2007 - 2010
PROJECT PNII INOVARE „ PAELIS ” NO. 67/2007 ADVANCED E-LEARNING PORTAL FOR HIGH EDUCATION INSTITUTIONS	Member	2007-2010
PROJECT SCOPES COLABORATION ROMANIA-SWITZERLAND „ ROMDOC ” NO. IB 7420 -111091 LAUNCHING A CENTRAL PUBLICATION PLATFORM FOR GREY LITERATURE FOR ROMANIAN UNIVERSITIES	Member	2005-2007

Other information

Skills and competences:

- liquid – vapor equilibrium
- e-learning systems
- use of microwave field in physical and chemical processes
- polymerization and copolymerization
- chromatography