Dobre Tanase
Professor

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Contact information

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Education and training

Dates	06/1981 to 10/1985
Title of qualification awarded	PhD in Chemical Engineering
Principal subjects/occupational skills covered	Process and Unit Operations in Chemical Engineering/ Mass Transfer Enhancement Doctoral studies in Equipments for Mass Transfer Enhancement ; PhD Thesis: Gas-Liquid Mass Transfer for Apparatus Having High Efficiency (Wetted Mobile Packed Bed Columns)
Name and type of organisation providing education and training	University Politehnica of Bucharest
Level in national or international classification	ISCED Level 6
Dates	10/1969 to 7/1974
Title of qualification awarded	Chemical Engineer - Inorganic Substances Technology
Principal subjects/occupational skills covered	Inorganic Substances Technology/High Pressure Synthesis/ Salts Technology/Chemical Engineering/ Chemical Reactors/Physical and Chemical Sciences/ Engineering Sciences
Name and type of organisation providing education and training	University Politehnica of Bucharest
Level in national or international classification	Master Degree at national level; ISCED Level 5

Professional experience

Dates	from: 08 / 1978 to: (ongoing)
Occupation or position held	Assistant, Lecturer, Reader, Professor, PhD Supervisor
Main activities and responsibilities	Teaching activities: Transport Phenomena, Mass Transfer, Mass Transfer Enhancement, Porous Diffusion Processes, Separation of Chemical Compounds from Natural Products, Chemical Engineering Process Modelling, Complex Flows in Chemical Engineering, Treatment of Industrial Pollutants Research activities: Mathematical Modeling and Computer Simulation for Chemical and Biochemical Processes, Mass Transfer with Porous Medium (Membrane Processes), Mathematical Modeling of Air, Soil and Water Pollution, Intensive Processes in Heat and Mass Transfer Advances in Separation Processes, Experimental Chemical Engineering
Name and address of employer	University Politehnica of Bucharest
Type of business or sector	Academia
Dates	from: 08 / 1974 to 09/1978
Occupation or position held	Chemical Engineer
Main activities and responsibilities	Designing in Printed Boards Technology

Name and address of employer	Electronic Computers Factory, Bucharest, Romania
Type of business or sector	Computers manufacturing

Academic and research interests

Expert in Engineering of Chemical and Biochemical Processes (Chemical and Biochemical Engineering, Heat Transfer, Momentum Transfer, Mass Transfer, Advanced Separations, Processes Mathematical Modeling,). Teaching and training – more than 35 years in academia, training classes for chemical and biochemical engineering

Teaching activity

Studies type (Master/licence)	*Specialization name*	*Discipline code*	*Discipline name*	*Activity type (course/project/ laboratory*
Licence	*Environmental Engineering*	*UPB.11.T.05.O105*	*Unit Operations for Industry Processes*	*Course*
Licence	*Chemical Engineering*	*UPB.11.T.06.O519*	*Mass Transfer Fundamentals*	*Course*
Master	*Chemical Engineering*	*UPB.11.S.09.O202*	*Real Flows in Multiphase Systems*	*Course*
Master	*Chemical Engineering*	*UPB.11.S.10.O209*	*Mass Transfer Enhancement*	*Course*

Publication (selective):

Books (*2 examples****)***

Anicuta Stoica, Marta Stroescu, **T. Dobre**, O. Floarea, *Heat Transfer in Food Industry*, Politehnica Press, 2007
T.Dobre., J.M.Sanchez., *Chemical Engineering Modelling, Simulation and Similitude* , Wiley VCH, 2007

Articles (*5 examples*)

T. DOBRE, Oana-Cristina PARVULESCU, Anicuta STOICA, Marta STROESCU, Experimental Investigation and Modelling of Inulin and Glycyrrhizin Extraction, REV.CHIM (Bucharest), 61, 1, 82-86, 2010
T. DOBRE, Oana-Cristina PARVULESCU, Laura CALOTA, Iuliana JIPA, Modelling of Fixed Bed Multicomponent Ion Exchange, REV. CHIM. (Bucuresti), 61, 2, 213-217, 2010
T. DOBRE, Oana C. PARVULESCU, Gustav IAVORSCHI, Anicuta STOICA, Marta STROESCU, Catalytic Effects at Pyrolysis of Wheat Grains Impregnated with Nickel Salts, INTERNATIONAL JOURNAL OF CHEMICAL REACTOR ENGINEERING , 8 , A103 , 2010
T. DOBRE, Oana-Cristina PARVULESCU, Anicuta STOICA, Gustav IAVORSCHI, Characterization of cooling systems based on heat pipe principle to control operation temperature of high-tech electronic components, APPLIED THERMAL ENGINEERING, 30, 16, 2435-2441,
T.DOBRE, Oana Cristina PARVULESCU, Jose SANCHEZ-MARCANO, Anicuta STOICA, Marta STROESCU, Characterization of gas permeation through stretched polyisoprene membranes, SEPAR. PURIF. TECHNOL. 82, 202-209, 2011

Research projects (*2 examples*)
Imprinted polymeric structures for molecular recognition and for separation of bioactive compounds from plant extract (BIOSPIM); National program CEEX, 2006-2009, CF 148/20.07.2006 (pos. Director)
Analysis by modeling, simulation and experimental investigation of fundamental sol-gel processes with biocellulose matrix; National program PN II IDEI, 2007- 2010, CF 177/1.10.2007 (pos. Director)

Other information

- Member of Romanian Chemical Engineering Society (President)
- Member of European Federation of Chemical Engineers
- Member of Managers Association from Romanian Industries
- Peer-Reviewer: Sci Bull.Series B-UPB, Rev.Chim - Bucharest, Revue Roumaine de Chimie - Bucharest, J.Memb.Sci- Elsevier, CONBUILDMAT- Elsevier, NSF-Tel Aviv
- Over 140 published papers from which over 70 in ISI quoted journals, 10 books, over 10 patents