

## CURRICULUM VITAE

### a) Performed studies and obtained degrees

1975 - 1979: Industrial Lyceum No.21 (Civil Engineering Lyceum No.1), Bucharest, Building Services Section, Baccalaureate Diploma, June 1979, valedictorian  
1980 - 1985: Civil Engineering Institute of Bucharest, Building Services Engineering Faculty, Engineer (M.Sc.) Diploma, June 1985  
1994 - 1998: University of Patras, Department of Mechanical Engineering and Aeronautics, Doctor-Engineer (Ph.D.) Diploma, April 1999

### b) Professional experience and relevant workplaces

1985 - 1988: Execution and Exploitation Enterprise for Landed Improvement Works - Voluntari, engineer work place chief  
1988 - 1990: Research and Design Institute for Systematization, Dwellings and Communal Husbandry Bucharest, design engineer  
1990 - 2001: Technical University of Civil Engineering of Bucharest, Thermo-technics Chair, university assistant  
1993 - 1994: University of Patras, Department of Mechanical Engineering, Fluid Mechanics Laboratory, post-university specialization, Greek Scholarship Foundation (I.K.Y.), theme: *Gas-liquid separation processes*  
1995 - 1998: University of Patras, Department of Mechanical Engineering and Aeronautics, Fluid Mechanics Laboratory, doctoral grant, Greek Scholarship Foundation (I.K.Y.), theme: *Momentum, heat and mass transfer in convective drying processes - application to dehydration of thermolabile products*  
1999 - 2000: Université de Pau et des Pays de l'Adour, Ecole Nationale Supérieure en Génie des Technologies Industrielles, Laboratoire de Génie des Procédés de Pau, post-doctoral specialization, theme: *Solid-liquid separation processes (filtration and drying)*  
2000: University of Patras, Department of Mechanical Engineering and Aeronautics, Fluid Mechanics Laboratory, NATO post-doctoral specialization, theme: *Evaluation of dehydration techniques for healthy food preservation in Mediterranean regions*  
2001 - 2005: Technical University of Civil Engineering of Bucharest, Thermo-technics Chair, university lecturer  
2002: University of Patras, Department of Mechanical Engineering and Aeronautics, Fluid Mechanics Laboratory, NATO post-doctoral specialization, theme: *Design and operation improvement of a novel multi-phase separator by CFD analysis*  
2005: Université de La Rochelle, Pole Sciences & Technologie, Laboratoire Maîtrise des Technologies Agro-Industrielles, EGIDE post-doctoral specialization, theme: *Sechage de fruits rouges*  
2005 - present: Technical University of Civil Engineering of Bucharest, Thermo-technics Chair, university associate professor

### **c) Research and development projects**

Automatic system for drying building materials using microwaves - Micro-Dry, contract no. 243/2008, State budget, AMCSIT - Romanian Ministry of Education, Research and Youth, INNOVATION Program value 219.403 lei

Thermal comfort in buildings with low-energy cooling - Establishing an annex for EPBD-related CEN-standards for buildings with high energy efficiency and good indoor environment - THERMCO, contract no. EIE-07-026/2007, EACI - Commission of the European Communities, Intelligent Energy - Europe Programme, value 49.779 euro

Modernization and optimization of specific technologies for dehydration of ecological horticultural products - HORDES, contract no. 73/2006, USAMVB - Romanian Ministry of Education and Research, CEEEX Program Module 1, value 1.241.000 lei

Improving the quality and marketing of dehydrated fruits and vegetables by mastering DIC® innovative technology - IQMark-DIC, contract no. 13/2005, CNMP - Romanian Ministry of Education and Research, CEEEX Program, Module 3, value 68.100 lei

Drying optimization of agricultural products, contract no. 23/2002, Romanian Ministry of Education and Research, Greek-Romanian Joint Research Program, value 11.740 euro

Heat and mass transfer in gas-solid systems with application to foundry sand drying, contract no. 439/1993, IPSC-SA-Bucharest

Comparative study concerning two variants of drying foundry sand, contract no. 58/1993, IPSC-SA-Bucharest

### **d) Reconnaissance elements of scientific contribution**

Delegate for Romania at European Federation of Chemical Engineering, EFCE - Working Party on Drying WPD, since 2006

Founding member no.91 of Romanian Thermo-technicians Society - SRT, since 1990

Member no.01494 of European Mechanics Society - EUROMECH, since 1994

Member no. 577821 of Community of Science - COS, since 1997

Member no. 41514 of World Scientific and Engineering Society - WSES, since 1999

Reviewer at John Wiley and Sons LTD, Chichester, UK

Reviewer at the following International Journals: Chemical Engineering & Technology, Drying Technology and Solar Energy

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