



## Europass Curriculum Vitae



### Personal information

**Surname(s) / First name** **IACOB TUDOSE Eugenia Teodora**

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**Nationality** Romania

**Gender** Female

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**Web of Science ResearcherID:** AAG-3802-2019

**Scopus no.** SC 57204083039

**Google scholar link:** <https://scholar.google.ro/citations?user=eRMYX7oAAAAJ&hl=en>

**Web page** [www.eugeniaiacobtudose.com](http://www.eugeniaiacobtudose.com)

### Occupational field

Chemical Engineering

### Professional work experience

24 years

#### Dates

Present – 1992

#### Occupation or position held

**Lecturer** (2003-present) ← **Assistant** (1996-2003) ← **Graduate assistant** (1992-1996)

#### Main activities and responsibilities

Teaching, research activities

#### Name and address of employer

TUIASI - 'Gheorghe Asachi' Technical University of Iasi, Romania  
Faculty of Chemical Engineering and Environmental Protection  
Department of Chemical Engineering

University of Toronto, Ontario, Canada (1994-2002)  
Department of Chemical Engineering

#### Type of business or sector

Education - Research - Innovation

#### Level in national or international classification

ISCED 7 / ISCED 8

### International/national grants

#### Main activities, responsibilities

1. Grant NSERC (National Research Council CANADA), during M.Sc.program, 1995-1996, University of Toronto, Canada –**member** ;  
Equipment acquisition, research activities; contract reports; scientific papers submission;
2. Grant CSA (AGENTIA SPATIALA CANADIANA) 1999-2001, during Ph.D.program, University of Toronto, Canada- **member**  
Equipment acquisition, research activities; oral presentations for CSA; contract reports; scientific papers submission ;

## International/national grants

Main activities, responsibilities

3. Grant CNCSIS 2006-2007, nr.63/19.05.2006 și nr. 80/23.05.2007, cod277, "Hydrodynamic characterization of two-phase (slug) flow – analytical an experimental study" -**director**.  
Equipment acquisition; budget management; research activities; annual and final contract reports; scientific papers submission.
4. Grant CNCSIS nr 27637/14.03.2005, cod 422, tema10, "Increasing the efficiency of biotechnology processes using advanced bio-separation liquid membranes (pertraction) of natural products" -**member**.  
Data interpretation, contract reports;
5. Grant Publicatii "Gheorghe Asachi" Technical University of Iasi GI/PI33/2021 – director  
Equipment acquisition; budget management; research activities; annual and final contract reports; scientific papers submission.

## Education and training

**Dates**  
Title of qualification awarded  
Principal subjects/occupational skills covered

**January 1997-September 2002;**

**Ph.D. in Chemical Engineering**

Ph.D. Thesis: "An Experimental Study of Buoyant-Thermocapillary Convection in a Rectangular Cavity", University of Toronto, Department of Chemical Engineering, Ontario, Canada

Design of new experimental setups; Data acquisition systems installation and use; Measurements using different sensors and programming software (LabView); Lasers (Nd-YAG for gas-liquid interface oscillation, He-Cd laser for flow field traces); Flow field characterization with Particle Image Velocimetry, Photochromic Dye Activation techniques, Shadowgraphy; Thermal field characterization using Mach-Zehnder Interferometry, Infrared Thermography.

Research work for grant with Canadian Space Agency, Canada

**Dates**

**September 1994 – January, 1997**

Title of qualification awarded  
Principal subjects/occupational skills covered

**M.Sc. in Chemical Engineering**

M.Sc. Thesis: "Experimental Investigation Of Taylor Bubble Acceleration Mechanism In Slug Flow" University of Toronto, Department of Chemical Engineering, Ontario, Canada

Design of new experimental setups; Data acquisition systems and sensors setup and use, Other equipment use: High Speed Video camera, He-Cd laser; Flow field characterization with Particle Image Velocimetry technique and MOCHA software use for image analysis.

Research work for grant with NSERC Canada

**Dates**

**September 1987 – June 1992**

Title of qualification awarded  
Principal subjects/ occupational skills covered

B.Sc. in Organic Substances Technology  
"Gh.Asachi" Technical University of Iasi,

Design, installation and use of new experimental setups, including transducers, data acquisition systems, software; Flow field, thermal field and mass transfer characterization;

Name and type of organization providing education and training

TU Iasi - 'Gheorghe Asachi' Polytechnic Institute of Iasi, Romania, Faculty of Chemical Industry; Engineer diploma

Level in national or international classification

ISCED 6

## Personal skills and competences

Mother tongue(s)

**Romanian**

Other language(s)

Self-assessment

European level (\*)

**English**

| Understanding |                  |         |                  | Speaking           |                  |                   |                  | Writing             |  |
|---------------|------------------|---------|------------------|--------------------|------------------|-------------------|------------------|---------------------|--|
| Listening     |                  | Reading |                  | Spoken interaction |                  | Spoken production |                  |                     |  |
| C2            | Independent user | C2      | Independent user | C2                 | Independent user | C2                | Independent user | C2 Independent user |  |

**French**

|    |                  |    |                  |    |                  |    |                  |    |                  |
|----|------------------|----|------------------|----|------------------|----|------------------|----|------------------|
| C1 | Independent user | C1 | Independent user | B2 | Independent user | B2 | Independent user | B2 | Independent user |
|----|------------------|----|------------------|----|------------------|----|------------------|----|------------------|

(\*) *Common European Framework of Reference for Languages*

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|--|---|
| Social skills and competences                        | - Team worker; human resource management, experience in national/ international project management.   |
| Organizational skills and competences                | - Tutoring activities, each year from 1992;<br>- Supervisor for bachelor diploma project – from 2002- present (more than 90 projects);<br>- Supervisor for dissertation diploma project – from 2012<br>- Manager/management team member of research projects<br>- Member in organizing team of scientific conferences/workshops   |
| Technical skills and competences                     | Design of new experimental setups; Data acquisition systems/transducers/ software installation and use; Measurements using different sensors and the appropriate software (LabView); Lasers; Flow field characterization with Particle Image Velocimetry, Photochromic Dye Activation techniques, Shadowgraphy;<br>Thermal field characterization using Mach-Zehnder Interferometry, Infrared Thermography.<br>Mass transfer coefficients measurements in packed bed columns<br>Adsorption equilibrium<br>Thermo-physical property measurements for new materials (mass transfer diffusion coefficients and effective diffusivity in porous materials, thermal diffusivity coefficients)<br>Processes intensification |
| Computer skills and competences                      | Dedicated software for data acquisition/programming systems including Labview, Statistics/DOE/RSM: SigmaPlot, Origin, Minitab.<br>Image analysis software: Mocha, MatPIV, Photoshop.<br>Others: Matlab, ANN.  |
| Artistic skills and competences                      | Piano player; painting skills, travelling.  |
| Other skills and competences                         | Teaching assistant / occasional lectures abroad   |
| Driving licence                                      | B type  |
| <b>Additional information - Scientific activity:</b> | <b>PUBLICATIONS:</b><br>- 3 scientific books, 1 chapter (in English) (1 first/single author) in recognized national books ('Al.I. Cuza' University Publishing House, Iasi, Romania);<br>- 20 ISI articles;<br>- 10 BDI articles;<br>- 7 articles in proceedings of international conferences -6 articles in other journals/conferences;<br>- 9 conferences, over 30 oral communications, over 10 research reports.<br>- 6 patents.  |
| <b>Diplomas and awards:</b>                          | - Diploma of Excellence, Spacebound 2000 conference, Vancouver, Canada, May 2000.   |

Date: 01.03.2023

Signature,