

# Andrei-Ionuț SIMION

## CONTACT INFORMATION

- 157 Calea Mărășești  
600115, Bacău, Romania
- E-mail: asimion@ub.ro
- Phone: +40234-542411 ext. 233

## SKILLS

- Good organizer and coordinator
- Innovative in new projects development and in research activities
- Experienced in the use of software for interpretation, management and optimization of experimental data and industrial processes

## RESEARCH TOPICS

- Modelling and optimization of chemical engineering processes
- Wastewater treatment using advanced oxidation processes and adsorption

## ACHIEVEMENTS

- > 70 scientific papers
- 4 books
- 2 patents

## LANGUAGES

- Romanian – *Native*
- English – *Fluent*
- French – *Profficient*

## REFERENCES

- **Lidia FAVIER, PhD**  
Ecole Nationale Supérieure de Chimie de Rennes, France
- **Cristina GRIGORAȘ, PhD**  
“Vasile Alecsandri”  
University of Bacău, Romania

## WORKING EXPERIENCE

- **2014-2023**  
**Manager of the Department of Food and Chemical Engineering**  
Employer – “Vasile Alecsandri” University of Bacău, Romania  
Faculty of Engineering  
Department of Chemical and Food Engineering  
Activities – Management and operational leadership
- **2014 – Present / 2001 – 2014**  
**Lecturer / Assistant professor**  
Employer – “Vasile Alecsandri” University of Bacău, Romania  
Faculty of Engineering  
Department of Chemical and Food Engineering  
Activities – Teaching activities (Modeling and Optimization of Biotechnological and Food Processes, Ecological Products Manufacturing Technology, Technologies and Machinery in the Milling and Bakery Industry, Packaging and Design in the Food Industry, Transfer Phenomena, Unit Operations)

## EDUCATION

- **2021 Professional training course for teaching staff in Modular Design of Entrepreneurial Courses, Organization and Provision of Online Courses, Promotion of New Learning Environments (SIVECO, Romania)**
- **2020 Postgraduate studies of Modern Strategies for the Training of Teaching Staff for the Dissemination of Entrepreneurship Concepts** (“Vasile Alecsandri” University of Bacău, Romania)
- **2020 Postgraduate studies of Cyber Security** (“Vasile Alecsandri” University of Bacău, Romania)
- **2016 Economist degree** in Accounting and Management Information Systems (“Vasile Alecsandri” University of Bacău, Romania)
- **2010 PhD in Chemical Engineering** (“Gheorghe Asachi” University of Iași, Romania)
- **2007 Degree of Environment Auditor** (Expert Consulting Management, Romania)
- **2006 MSc in Chemistry and Engineering of the Processing and Valorization of Natural Products** (University of Bacău, Romania)
- **2002 MSc in Food Control and Expertise** (“Dunărea de Jos” University of Galați, Romania)
- **2000 Engineer degree in Food Technology and Control** (University of Bacău, Romania)