

Personal Information



Burduhos Nergiș Dumitru Doru

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Gender Male | Date of birth 25/10/1992 | Nationality Romanian

BrainMap UEFISCDI ID (UEF-ID): U-1900-063Z-8464

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SCOPUS Author ID: 57211220726

Fields of expertise:

- Materials Science:

- Obtaining and characterization of geopolymers

Skills and expertise:

Materials Science; Materials Chemistry; Geopolymers; Geopolymer Concrete; Concrete Material Technology; Advanced Materials Characterization.

PROFESSIONAL EXPERIENCE

- 2017 - Present Assistant Professor
"Gheorghe Asachi" Technical University of Iasi; Address: Bd. Dimitrie Mangeron, nr. 67, 700050 Iași, România; <https://www.tuiasi.ro/>.
Academic rank: Assistant Professor, MsC, Eng., PhD.
[Department of Technologies and Equipment for Materials Processing, Faculty of Materials Science & Engineering](#)
- 05.2017 - 08.2017 Process Engineer
S.C IMA COMPONENTES IASI S.R.L; Address: Calea Chisinaului 132 700180 Iasi, Romania; <http://www.ima1.es/>.
Oversees and assesses existing processes and workflows; Optimizes productivity by designing, implementing and testing new procedures; Assembles reports to document process status and changes.
[Department of Tools and Engineering](#)
- 04.2015 - 07.2015 Designing Foundry Engineer
ASAM S.A.; Address: Street Aurel Vlaicu no. 77, Iași, Romania; www.asam.ro
Designing technical plans for prototypes, establishing working methods.

EDUCATION and TRAINING

- Academic Studies [Faculty of Materials Science and Engineering](#)
"Gheorghe Asachi" Technical University of Iasi
- 2017-2019
- Doctoral studies [PhD in Materials Engineering - Contributions regarding the obtaining of](#)

geopolymers from mineral wastes

21 Scientific publications in High-ranked Journals or Conference Proceedings.

1 Patent application (Patent application A/00038/25.01.2019 in România).

Multiple awards at International Conferences or Exhibitions.

2015-2017

Master Studies

1. Occupational Health and Safety Engineering

2. Advanced Materials Processing Engineering Technologies

2014 - 2015

Batchelor Studies

Materials Processing Engineering

▪ **Graduated at the top of my class.**

▪ Final paper on "Theoretical and experimental studies on carbon-fiber composite materials".

▪ "CERC 2015 Students' third prize at the International Conference awarded by the Military Technical Academy, Bucharest.

▪ Special award for the paper "Studies on carbon-fiber composite materials" at the Scientific Circles Sessions, Section Materials Processing Technologies and equipment.

2013 - 2014

▪ Conducting a 3 months internship at Da Beira Interior University, Portugal with the ERASMUS scholarship program. Researching on the topic "Composite materials - Fiber metal laminates" under the coordination of prof. Balbio Paulo Reis.

▪ Conducting an internship at S.C DELPHI SYSTEMS ROMANIA S.R.L.

▪ Voluntary award offered for the Ninth Edition of the festival Rock'N'Iasi 2013 collaboration.

▪ Certificate of attendance at the "First Aid Guide" session awarded during Excellency Week, 2014, offered by the company S.C. ROMANIA DELPHI SYSTEMS LLC.

▪ Mention awarded at Student Scientific Communication Session, Department of Materials Science, being coordinated by prof. Cimpoescu Ramona.

▪ Mention awarded at the Student Scientific Communication Session, Department of Materials Science, being coordinated by prof. Cimpoescu Nicanor.

2012 - 2013

▪ First Prize awarded at Scientific Circles Session, section Technologies and equipment for Materials Processing, for the paper, "Making a billboard in Alucobond Autocad designed and built a CNC Router."

▪ Second Prize awarded at the Student Scientific Communication Session, Department of Materials Science.

▪ Mention awarded at Scientific Circles Session, Technologies and Equipment for Materials Processing Section, for the paper "Solidification Simulation for Various Input Speeds."

▪ First Prize awarded at Scientific Communication Circles Session organized by the Department of Theoretical Mechanics, for the paper "Applications of thermal actuators in the mechanical shape memory alloys".

▪ Third Prize awarded at the Student Scientific Communication Session organized by the Department of Physics at the Faculty of Faculty of Machine Manufacturing and Industrial Management for the paper "Recovery and Filtration Circuits".

- Second Prize for Outstanding Scientific Research awarded at the Student Scientific Festival Circles "Gh.Asachi".
 - Excellence Award BRD awarded by the Groupe Societe Generale for Outstanding Academic Performance.
 - Certificate of Attendance at the course "Introduction to Social Entrepreneurship" organized by ADV Romania 20-24 June, Vatra Dornei.
- 2011 - 2013
Post Secondary – School
- Technical College of Electronics and Telecommunications, Iasi
Networks Telecommunications Infrastructure Technician
- High School
Qualification awarded
2007 - 2011
- Technical College of Electronics and Telecommunications, Iasi
Mathematics and IT, intensive IT
- Many awards and participation at competitions and contests (Creative Physics "Stefan Procopius' Contest, Social Sciences" Titu Maiorescu " County Contest, Applied Chemistry" P. Poni " Contest, Educational Software and Websites INFOCHIM Contest, etc.)
 - Certificate of participation at the "S.O.S. ! Choose life! " project, organized by Bethany Social Services Foundation.
 - Certificate of participation at the course program, Individual Responsibility: Preventing HIV / AIDS.
 - Cisco Certificate. Certificate of Course Completion. IT Essentials: PC Hardware and Software.
- Other significant achievements.
- Secondary Education Project (ROSE), University Grant Scheme - Learning Center (SGU-CI), project code: ROSE no. 83 / SGU / CI / I, project title: “Reducing the dropout of first year students through remedial and counseling activities in the Learning Center within TUIAȘI (REMEDIUM)”, beneficiary: “Gheorghe Asachi” Technical University of Iasi, *Position within the project:* Tutor guidance and support activities.
 - Certificates of participation in: Homage Conference "100 years since the establishment of AGIR - Iasi, 1918"; "The 7th International Workshop in Occupational and Environmental Health and Safety"; "The 8th International Workshop in the Fields of Occupational Safety and Health and Emergency Situations."
 - Certificate of participation in the course "Intellectual Property and Ethics of Scientific Research" within the project CNFIS-FDI-2017-0065.
 - Certificate of graduation of the course "Development, Evaluation and Presentation of Scientific Materials: Strategies, Ethics and Deontology" within the project CNFIS-FDI-2017-0065.
 - Certificate of Professional Competence - Competences such as client oriented design and software structure; - computer usage; - Medium Level of Programming.

Native language	Romanian				
Foreign languages	COMPREHENSION		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Oral speech	
English	B2	B2	B2	B2	B2
Levels: A1/2: Basic user - B1/2: Independent user - C1/2: Proficient Common European Framework of Reference for Languages					

- IT Skills** Advanced knowledge in:
- Microsoft Office TM tools - core ECDL certificate.
 - CATIA V5 and AutoCAD design software.
- Basic knowledge in:
- Programs FORTRAN and C ++ programming.
 - Fluent and Gambit.
- Social Skills and competences** ▪ Fast learner;
- Leadership (Advanced);
 - Excellent communication skills;
 - Team-player who can also work independently;
- Hobby** Chess, fishing
- Driving Licence** B category