

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

Name
Address
Telephone
Fax
E-mail

SANDU ANDREI VICTOR
IASI, ROMANIA
0040-745-438604
0040-232-257012
sav@tuiasi.ro
euroinvent@yahoo.com

Nationality
Date of birth

Romanian
12.11.1984

WORK EXPERIENCE

- Dates (from – to)
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

01.10.2019 – ACTUAL MOMENT
Gheorghe Asachi Technical University of Iasi
Higher Education
Associate Professor – **Senior Lecturer** (Conferentiar), Researcher
Courses, Practical classes, research

- Dates (from – to)
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

01.07.2019 – ACTUAL MOMENT
National Institute for Research and Development in Environmental Protection - **INCDPM**
National Research Institute
Senior Researcher
Research

- Dates (from – to)
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

01.10.2016 – 30.09.2019	01.10.2012 – 30.09.2016
Gheorghe Asachi Technical University of Iasi	
Higher Education	
Associate Professor – Lecturer (Sef Lucrari), Researcher	Assistant Professor, Researcher
Courses, Practical classes, research	

- Dates (from – to)
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

10.04.2014 – ACTUAL MOMENT
Universiti Malaysia Perlis, Kangar, Malaysia
Higher Education
Associate Researcher/Visiting Professor (2015)
Research, Development and Innovation

- Dates (from – to)
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

01.09.2010 – 30.08.2013
Alexandru Ioan Cuza Police Academy Bucharest
Higher Education
Expert – long period - Communication Expert – European POSDRU Project
Managing Events, webpage, scientific journal

- Dates (from – to)
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

01.09.2004 – ACTUAL MOMENT
Romanian Inventors Forum
Department of Research, Development and Innovation
President - Researcher, Coordinator for Events
Research activity, Publishing, Exhibitions

- Dates (from – to)
- Name and address of employer
 - Type of business or sector

2009
Europe Direct Iasi – European Commission Information Office
Public Relations

- Occupation or position held
- Main activities and responsibilities

EDUCATION AND TRAINING

- Dates (from – to)
- Name and type of organization providing education and training
 - Principal subjects
 - Title of qualification awarded
 - Level in national classification

- Dates (from – to)
- Name and type of organization
 - Principal subjects
 - Title of qualification awarded
 - Level in national classification

- Dates (from – to)
- Name and type of organization
 - Principal subjects
 - Title of qualification awarded
 - Level in national classification

- Dates (from – to)
- Name and type of organization
 - Principal subjects
 - Title of qualification awarded
 - Level in national classification

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE

OTHER LANGUAGES

- Reading skills
- Writing skills
- Verbal skills

SOCIAL SKILLS

ORGANIZATIONAL SKILLS AND COMPETENCES

TECHNICAL SKILLS AND COMPETENCES

IT and Communication Expert
Information, Representation

01.10.2009 – 30.09.2012

“Gh. Asachi” Technical University of Iasi, Romania, Faculty of Material Science and Engineering / (June-November 2011 - PhD Research Stage – Université de Technologie Belfort-Montbéliard - LERMPS)

Material Science
PhD in Science
Academic

01.10.2008 – 10.06.2009

“Gh. Asachi” Technical University of Iasi, Romania, Faculty of Material Science and Engineering
Material Science
Master Degree in Advanced Analysis Techniques
Academic

01.10.2003 – 10.06.2008

“Gh. Asachi” Technical University of Iasi, Romania, Faculty of Material Science and Engineering
Material Science
Engineer
Academic

15.09.1999 – 15.06.2003

Computer science Highschool “Gr.C.Moisil” Iasi
Computer science and IT techniques
Technician in IT
Undergraduate

ROMANIAN

ENGLISH

EXCELLENT
GOOD
EXCELLENT

GERMAN

MEDIUM
BASIC
BASIC

ITALIAN

MEDIUM
BASIC
BASIC

Very sociable in new groups; Amazing capacity to receive new information; Strong sense of duty; Hard-working in team; Good communication with leaders

Coordinator of EUROINVENT® – European Exhibition of Creativity and Innovation
www.euroinvent.org

International Conference of Innovative Research ICIR EUROINVENT:
www.euroinvent.org/conference

Publishing Editor for International Journal of Conservation Science – www.ijcs.ro

Publishing Editor for European Journal of Materials Science and Engineering – www.ejmse.ro

Editorial Board member: MATERIALS [MDPI], COMPOUNDS [MDPI]

PC – advanced knowledge user (MS Office, Corel Draw, Photoshop, HTML)

Scanning Electron Microscopy with EDX (TESCAN VEGA II LSH) – certified user.

Thermal Analysis (LINSEIS ST1600): TG, DTG, DTA – user,

Laboratory devices (pH-meters, colorimeters, spectrometers, optical microscopy)

Courses/practical courses on duty:

Environmental Management in Materials Engineering

Ecotechnologies

Recycling

Microscopic Analysis – Optical & SEM

Surface engineering – chemical-physical deposition of layers

Intellectual Property – patent filling and development

ARTISTIC SKILLS
DRIVING LICENCE(S)
ADDITIONAL
INFORMATION

Graphics for books and posters, Print&Web Design

YES (only for cars under 3,5 T, max 8 + 1 persons)

Publications H-Index 30

11 books, 40 patents and 10 patent applications

400+ published papers, **360+ indexed in Web of Science:**

Published in: Materials, Applied Sciences, Construction and Building Materials, Ceramics International, Coatings, Crystals, Micromachines, Case Studies in Construction Materials, Sustainability, Journal of Alloys and Compounds, Microscopy Research and Technique, Revista de Chimie, Reviews on Advanced Materials Science, Journal of Applied Physics, Journal of Superconductivity and Novel Magnetism, Journal of Optoelectronics and Advanced Materials, Optoelectronics and Advanced Materials, Rapid Communications, Materials Chemistry and Physics, Thin Solid Films, Materials Science and Engineering B, Environmental Engineering and Management Journal, Metalurgia International, Journal of the European Ceramic Society, MICRON, Acta Physica Polonica A

International Books:

- Modern Technologies of Thin Films Deposition. Chemical Phosphatation, Material Research Forum, USA (ISBN 978-1-945291-90-6), 2018, 149 p.
- Phosphate Coatings Suitable for Personal Protective Equipment, Material Research Forum, USA (ISBN 978-1-64490-110-6), 2021, 179 p.
- Ensuring the Durability of Oil-Producing Pumps Through the Use of Laser Spraying Technology, Material Research Forum, USA (ISBN 978-1-64490-235-6), 2023, 126 p.
- Technologies for Plasma Renovation of the Phase Structure of Substandard Turbine blades of CHP, Material Research Forum, USA (ISBN 978-1-64490-264-6), 2023, 90 p.

International Book Chapters: INTECH OPEN & CRC Press, Taylor & Francis Group

- High Entropy Alloys for Medical Applications, 2019, DOI: 10.5772/intechopen.89318
- Development of New Advanced Ti-Mo alloys for Medical Applications, 2020, DOI: 10.5772/intechopen.91906
- The Physical and Mechanical Characteristics of Geopolymers Using Mine Tailings as Precursors, 2021, DOI: 10.5772/intechopen.97807
- New Trends in Bioactive Glasses for Bone Tissue: A Review, 2021, DOI: 10.5772/intechopen.100567
- Assessment of Solar Energy Potential Limits within Solids on Heating-Melting Interval, 2022, DOI: 10.5772/intechopen.104847
- Bibliometric analysis of research trends in Geopolymers, in Geopolymers: Properties and Applications (P. Vizureanu, M.M.A.B. Abdullah, R.A. Razak, D.D. Burduhos-Nergis, L. Yun-Ming, A.V. Sandu ed.) CRC Press, Taylor & Francis Group, 2023, p. 1-17.
- Geopolymers overview, in Geopolymers: Properties and Applications (P. Vizureanu, M.M.A.B. Abdullah, R.A. Razak, D.D. Burduhos-Nergis, L. Yun-Ming, A.V. Sandu ed.) CRC Press, Taylor & Francis Group, 2023, p. 18-41.
- Geopolymer Lightweight Agregate, in Geopolymers: Properties and Applications (P. Vizureanu, M.M.A.B. Abdullah, R.A. Razak, D.D. Burduhos-Nergis, L. Yun-Ming, A.V. Sandu ed.) CRC Press, Taylor & Francis Group, 2023, p. 52-61.
- Lightweight Geopolymer-based ceramics, in Geopolymers: Properties and Applications (P. Vizureanu, M.M.A.B. Abdullah, R.A. Razak, D.D. Burduhos-Nergis, L. Yun-Ming, A.V. Sandu ed.) CRC Press, Taylor & Francis Group, 2023, p. 62-72.

Member of Professional Society

Romanian Inventors Forum

General Association of Engineers from Romania (AGIR)

IFIA – International Federation of Inventors Association

WIIPA –World Invention Intellectual Property Associations

Member of the International Jury

INOVA Invention Show, Zagreb; ISIF Istanbul; IWIS Warsaw, i-ENVEX – Perlis, Malaysia, etc.

International representation – Official delegate for Romania

INOVA – Zagreb, Croatia / KIDE – Kaohsiung, Taiwan

IWIS & INTARG, Poland / ICAN – Toronto, Canada

WICO – Seoul, Korea / i-ENVEX – Perlis, Malaysia

Prizes, Awards, Medals and Diplomas

Over 100 medals at International Inventions Exhibition

Chevalier DEGREE of Inventive Mérite, Brussels – Belgium (2004);

Exelency Diplomas received for Inventions.

Special Prizes awarded by Korea Invention Academy, University Malaysia Perlis, Ukrainean Delgation,

Technical University of Moldova etc.

Reviewer – Scientific Journals

Advances in Civil Engineering; Advances in Materials Science and Engineering
Applied Surface Science; Materials and Design; Materials Chemistry and Physics
Zeitschrift für Metallkunde: International Journal of Materials Research
Instrumentation Science & Technology; Case Studies in Construction Materials
Surface and Coatings Technology; Coatings, Materials; Metals; Crystals; Minerals;
Journal of Industrial and Engineering Chemistry & other

Guest Editor:

MATERIALS (MDPI, Q1),
APPLIED SCIENCE (MDPI, Q2),
CRYSTALS (MDPI, Q2)

Member in various committees at University/Faculty level.

Research Funded projects as director/coordinator:

- **Director for P3 Project in Sectoral Plan no. 4PS/03.09.2019:** *Determining the specific methodology and coefficients Romania in order to quantify GHG emissions and removals in view of quantifying climate change* – N.I.R.D. for Environmental Protection (total value 2,000,000 RON equiv 410,000 EUR)
- **TUIASI Coordinator for Project 4 in PCCDI Project** funded by Romanian Ministry of Research and Innovation: 60 PCCDI / 2018 - PN-III-P1-1.2-PCCDI-2017-0239/2018 (P4 TUIASI value ~45,000 EUR, total grant value 1,084,000 EUR)
- **Director** – Internal Grant of Gheorghe Asachi Technical University of Iasi – promoting Publications GI/P20/2021

Member in teams of Research Project:

- „Harnessing complementary curricular preparedness via sustainable management in response to civil and military pollution on the coastline, tributaries and lagoons in Black Sea’s North, West, South zone”, Call: EMFAF-2023-PIA-FLAGSHIP, Type of action: EMFAF-PJG, Proposal number: 101124670, Black Sea SIERRA, Durata: 2023 – 2026, (Director Prof.P.Vizureanu)
- „Environmental footprint reduction through eco-friendly technologies of mine tailings recycling”, COFUND-ERAMIN-3-RecMine, 2022-2024 (Director Prof.P.Vizureanu)
- Internal Grant of Technical University of Iasi – GI / MedTech_8 /2022, Titanium based alloys for medical applications (MedTit), (Director: Prof. P.Vizureanu)
- Internal Grant of Technical University of Iasi – Publications GI/P6/2021 (Director Prof.P.Vizureanu)
- Internal Grant of Technical University of Iasi – Publications GI/P31/2021 (Director Dr.M.S. Baltatu)
- Project 2 in PCCDI Project funded by Romanian Ministry of Research and Innovation: 60 PCCDI / 2018 - PN-III-P1-1.2-PCCDI-2017-0239/2018 (Responsible: Prof. P.Vizureanu)
- Bridge Grant PNCDI III, Nr. 46BG/1016 2016-2018
- Cross-Border Cooperation Project, Romania-Ukraine-Republic of Moldova, Cod MIS ETC 2302, “It’s Science time” – scientific manager
- Project POSDRU/86/1.2/S/62307, 2011-2013
- Leonardo da Vinci Project (2007-2009) LLP-LDV-TOI-2007-IT-166 – researcher
- Romanian National Project - Partnerships in priority fields, PNCDI II, TMSF 71-086/18.09.2007 – researcher
- Phare CBC Project, RO2006/018-447.01.01.17 – Manager of Centre
- Member of the Project team with IUCN, Moscow, Russia, Order no. 397 / 27.05.2019, with the title: Study of structure and properties of novel functional biomaterial by neutron scattering and complementary methods, contract no. 4860-4-19 / 20 theme code 04-4-1121-2015 / 2020;
- Member of the Project team with IUCN, Moscow, Russia, Order no. 395 / 27.05.2019, entitled Ti-based alloys as a new biomaterials used in medical applications, theme code 04-4-1121-2015 / 2020.

ADDITIONAL INFORMATION

Volunteer and Personal Development

Member Rotaract Iași Curtea-Domnească 2009-2012
Visiting Member Rotaract Strasbourg France, 2011
Member Rotaract Iași Copou 2012-2014
Founding Member of Rotary Junimea Iasi, 2018