PERSONAL INFORMATION **GROZESCU IOAN**

WORK EXPERIENCE

2009- present

Associate Professor
University Politehnica Timisoara, Piata Victoriei nr.2, 300006 Timisoara, Timis

Coordination of doctoral activity
Scientific Domain: Materials Engineering

2019 - present

Specialized inspector
Ghiroda commune Town Hall, Timis County,
- Management of projects

Scientific director
SCIENT Analitycs SRL**,**
1 Petre Ispirescu, Tancabesti- Snagov, 077167 Ilfov, Romania

2017 - present

- Research, development and innovation
- Synthesis of advanced materials
- Coordination and monitoring scientific activity
- Development of scientific projects
- R&D project management
- Development systems processes and technologies
- Dissemination of scientific results

Sector: Chemistry- Synthesis and Characterisation

2010 - 2014

Scientific Director

National Institute R&D for Electrochemistry and Condensed Matter (INCEMC)
str. A.P.Podeanu nr. 144, Timisoara, Romania, www.incemc.ro
- Research, development and innovation
- Coordination and monitoring scientific activity
- Development of scientific projects
- R&D project management
- Development systems processes and technologies
- Dissemination of scientific results

Sector: Material Science

2008 - 2010 **Head of department**

National Institute R&D for Electrochemistry and Condensed Matter (INCEMC)
str. A.P.Podeanu nr. 144, Timisoara, Romania, www.incemc.ro
- Coordination and achievement of scientific activity
- Dissemination of scientific results

Sector: Material Science

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2008 - 2009 **Deputy General Manager**

National Institute R&D for Electrochemistry and Condensed Matter (INCEMC)
str. A.P.Podeanu nr. 144, Timisoara, Romania, www.incemc.ro

- Coordination and achievement of scientific activity
- Dissemination of scientific results

Sector: Material Science

1996 - 2005 **Branch manager**

Condensed Matter Research Institute Timisoara *ICMCT, str. Plautius Andronescu nr. 1 Timisoara, Romania* Research and development

- Coordination and monitoring scientific activity

Sector: Material Science

EDUCATION AND TRAINING

1991-1999 Doctor Diploma in Physics EQF: **Level 8: PhD**

West University of Timisoara, Faculty of Natural Sciences, Physics Department

- Synthesis of monocrystalline materials at high pressures and temperatures in corrosive pternic liquid medium performed in experimental installations made for the first time,
- Study of phase transitions in the synthesis of monocrystalline materials
- Study of the kinetics and dynamics of solubilization and crystallization processes
- Development of laboratory systems and processes
- Obtaining AlPO4 single crystals for applications in the electronics industry
- Development of analysis techniques and characterization of AlPO4 aluminum phosphate monocrystals
- - knowledge in the field of chemistry, economics, etc

PERSONAL SKILLS

Mother tongue(s) **Romanian**

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B1	B1	B1	B1
Communication in English- IRECSON. Certificate acknowledged by Minister of Labour, Family and Social Protection and Minister of National Education (2013).					
German	A2	A2	A2	A2	A2
Communication in German- IRECSON. Certificate acknowledged by Minister of Labour, Family and Social Protection and Minister of National Education (2013).					

Communication skills

- good communication skills gained through through managerial experience and within coordinated projects

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Organisational / managerial skills

- Leadership - experience gained in institutional managerial activity and in coordinated research projects (over 40 scientific research projects)
- a good organization of the managerial activities in the scientific and administrative coordination of the institute, of the scientific research projects and within the PhD students guidance:
  organized round tables with the academic and private environment regarding the applied research within INCEMC Timisoara;
  implemented and coordinated within INCEMC Timisoara laboratories, sections, research-development teams

- as scientific director I coordinated the scientific activity of INCEMC Timisoara
  organized Conferences, national symposia on scientific research and development
  elaborated and developed as scientific director the organizational chart and the research-development strategy within INCEMC Timisoara
- as deputy director of ICMC Timisoara, I coordinated both its scientific and administrative activity
- I organized managerial training courses for the research staff within INCEMC Timisoara within a CEEX Module III project
- I coordinated the elaboration of 6 doctoral theses, two of which for foreign students

Job-related skills

▪ coordinating the scientific activity of the institute / department
▪ coordination and monitoring of scientific research projects,
▪ coordination and communication skills
▪ good coordination of the experimental and dissemination activity
▪ management of national and international projects
▪ elaboration of successful research projects

PhD Management 2009-present

▪ Research and development in the field of Science and Material engineering
▪ Coordinate whether to monitor activity and scientific research staff
• Coordinates and monitors research activity
▪ Elaboration of research-development project
▪ elaboration of strategies in the field of research
▪ Evaluate strategies to develop durability
▪ Management of research and development projects
▪ Development of scientific partnerships in the academic medium / economic at the national and international level
▪ Research for the design and development of innovative advanced materials for environmental protection, health, energy, agriculture, security
▪ Development of techniques and methods for the synthesis of advanced materials
▪ Disseminated scientific results
Coordination of doctoral activity
▪ Coordinate postdoctoral study
• Evaluated the appeals in the case of promotion contests in higher scientific and didactic positions ▪ Evaluation of research projects
▪ Review yes peer-view evaluation of scientific papers
▪ Development of systems, processes and technologies

- Co-founder of the field of synthesis of advanced materials at high pressures and temperatures in liquid, highly corrosive environment introduced for the first time in Romania since 1985,
- Synthesis of organic / inorganic hybrid materials for applications in various socio-economic fields,
- Synthesis of bulk, micro and nanostructured materials for special applications, design, construction and operation of laboratory installations and stands,
- Studies on the kinetics and dynamics of material synthesis,
- Methods and techniques for studying some material properties,
- Physical methods of characterization of materials

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Computer skills

- good command of Microsoft Office™ tools
- Outlook, Chemoffice, etc.

Other skills

- **Technical and Extrajudicial Expert** –Expertise: **Engineering and Materials Science** - AGIR SETEC (**2015)**
- **Innovation manager** – organised by IRECSON Certificate acknowledged by Minister of Labour, Family and Social Protection and Minister of National Education (**2013**)
- **Entrepreneurial Competence Initiation** - Certificate- Resurces Development & Ideas, Bucharest, Romania **– 2013**
- **Entrepreneurial Competence Specialization** - Certificate- Resurces Development & Ideas, Bucharest, Romania, **2013**
- **Entrepreneurial Competence Training –** Certificate- Resurces Development & Ideas, Bucharest, ROMANIA, **2013;**
- **Management** organised by SC. Expert Consulting SRL Timisoara. Certificate acknowledged by Minister of Labour, Family and Social Protection and Minister of National Education (**2009**)
- **Project Management** – Certificate from European Institute for Correspondence Courses –EUROCOR (**2012**);
- **Public Relations, Crisis Management and Internet Marketing- C**ertificate issued - EconomixNews SA CIT ENI, Bucharest, Romania, **2009**
- **TRAINING „TEN DAYS MBA - training in organizational management skills-** Certificate- ËUROaptitudini Bucharest Romania**, 2008**
- **Organizational Management- Certificate - West University of Timisoara,** Romania, **2005**

ADDITIONAL INFORMATION

Driving Licence **B**

Scientific experiences/activity

- Project director over 50 scientific national and international grants
- International Workshop manager
- Team member in over 200 scientific projects
- **Over 180** scientific papers communicated at international conferences
- Participation in international fairs and exhibitions to promote innovative activity,
- Participation in national and international scientific events for the dissemination of scientific results
- **14 patents,**
- Radio and television interviews regarding the invention and scientific activity**.**

Honours and awards

- **Gold medal** at International Exhibition of Inventions of Geneva, Switzerland, **2015**
- **Special award- Gold medal** of Incubator of invention at International Exhibition of Inventions of Geneva, Switzerland, **2015;**
- **3 Gold Medals** at International Exhibition of Inventions and Innovation "Traian Vuia" of Timisoara, Romania, **2015**;
- **Gold medals** at International Exhibition of Inventions and Innovation"Traian Vuia" of Timisoara**, Romania, 2019**
- **3 Gold Medals** at International Exhibition of Inventions and Innovation "Traian Vuia" of Timisoara, Romania, **2016**
- **Gold medal** at International Exhibition of Inventions of Geneva, Switzerland, **2013**,
- **Gold medal at Innova Eureka Bruxelles 2014;**
- **Excellence Diploma at** International Exhibition of Inventions PROINVENT, **2016**
- **Excellence Diploma** from "Pius Brinzeu" County Hospital Timisoara at International Exhibition of Inventions and Innovation "Traian Vuia" Timisoara, Romania, **2015** for patent request nr. A00604/ 07.08.2014, by Segneanu A.E, Segneanu E., Gherman V.D, Scorei I.R., Grozescu I;
- **Special award and Cup** from Victor Babes University of Medicine and Pharmacy, Timisoara Romania at International Exhibition of Inventions and Innovation "Traian Vuia" Timisoara, Romania, **2015** for patent request nr. A/00786/2013, by: Segneanu A. E., Scorei R. I., Grozescu I., Stanescu C.D
- **Gold medal** at International Exhibition of Inventions of Geneva, Switzerland, **2011**
- **Gold medal** at International Exhibition of Inventions of Geneva, Switzerland, **2010**
- **Gold medal** at International Exhibition of Inventions of Moscow , Rusia, **2010**
- **Gold medal** at International Exhibition of Inventions of Warsaw, Poland, **2010**
- **Gold medal** at the ProInvent Salon, Cluj, **2010**
- **Silver medal,** ARCA invention Salon**,** Zagreb, **2007**
- **Bronze medal at Innova Eureka Bruxelles 2004**
- **3rd Prize of the General Association of Romanian Engineers, Timis,** Branch - Adrian Pugna, Ioan Grozescu, "Technical Book" competition **2009**
- Article: "*Chemical Screening of Metabolites Profile from Romanian Tuber spp*", authors: Segneanu A.E., Cepan M., Bobica A., Stanusoiu I., Dragomir I. C., Parau A., Grozescu I.Plants (Basel), **2021**, 10: 540-557, **awarded in** 2021 by Executive Unit for Funding Higher Education, Research, Development and Innovation, **ID** PN-III-P1-1.1-PRECISI-2021-61788;
- Article: „*Assessment of the different type of materials used for removing phosphorus from wastewater*" authors: Cepan C, Segneanu A-E, Grad O, Mihailescu M, Cepan M, Grozescu I, Materials*,* **2021**,14(16):4371, **awarded in** 2021 by Executive Unit for Funding Higher Education, Research, Development and Innovation **ID** PN-III-P1-1.1-PRECISI-2021-61807

Memberships/ Professional Affiliation

- **Member of European Cooperation in the field of Scientific and Technical Research - COST, field - Materials, Physical and Nanosciences**
- **American Physical Society**
- **Member** of the Timis Chamber of Commerce, Industry and Agriculture
- ROMINFORM - MICRONANOTECH section of the Romanian Academy
- **Commission 4 for New Materials, Micro and Nanotechnologies of the Advisory Board of the Ministry of Education and Scientific Research and Innovation**
- **MECS Commission for the analysis of appeals**
- Romanian Inventors Society (Banat Subsidiary)- **founder member**
- Applied Electrochemical Society –**founder member**
- Romanian Physics Society
- European Physics Society
- The General Association of Engineers from Romania (**AGIR**)
- Banat Inventors Society – founder member **and vice-president**
- Romanian Society for Nonconventional Technologies (**ARTN**)

- Organizing Committee member –**workshop co-chair** - International Workshop: *Design of chromophore systems with specific properties and applications in medicine as biomarkers and antitumoral agents*, April, 18-19, **2013**, Timisoara, Romania
- Organizing Committee member - The XIII Romanian Congress of Phlebology with International participation, October, 2 – 4, **2014**, Timisoara, Romania
- Organizing Committee member - International Exhibition of Inventions and Innovation “Traian Vuia” of Timisoara, Romania, June 11-13, **2015**, Timisoara, Romania
- Organizing Committee member - International Workshop: Innovating Techniques and Methodologies wastewater treatment, Romania, June 11-13, **2015**, Timisoara, Romania;
- Organizing Committee member - International Exhibition of Inventions and Innovation “Traian Vuia” of Timisoara, Romania, June 11-13, **2016**, Timisoara, Romania