

PERSONAL INFORMATION **GROZESCU IOAN**



WORK EXPERIENCE

2019 - present

Specialized inspector

Ghiroda commune Town Hall, Timis County,

- Management of projects

2009- present

Associate Professor

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

Coordination of doctoral activity

Scientific Domain: Materials Engineering

2017 - present

Scientific director

SCIENT Analytcs SRL,

1 Petre Ispirescu, Tancabesti- Snagov, 077167 Ilfov, Romania

- 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

2008 - 2009

Deputy General Manager

National Institute R&D for Electrochemistry and Condensed Matter (INC EMC)
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
	<p style="text-align: center;">West University of Timisoara, Faculty of Natural Sciences, Physics Department</p> <ul style="list-style-type: none"> ▪ 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 AIPO4 single crystals for applications in the electronics industry ▪ Development of analysis techniques and characterization of AIPO4 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

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

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-** Certificate issued - EconomixNews SA CIT ENI, Bucharest, Romania, 2009
- **TRAINING „TEN DAYS MBA - training in organizational management skills-** Certificate- ĘUROaptitudini Bucharest Romania, 2008
- **Organizational Management- Certificate - West University of Timisoara,** Romania, 2005

ADDITIONAL
INFORMATION

Driving Licence

B

Scientific experiences/activity

- Project director over 40 scientific national and international grants
- International Workshop manaher
- 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**)
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- 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

Date:

Aprilie, 2024

CSI dr. Ioan GROZESCU