Environmental Quality Analysis and Building Services Materials Research Group

Contact details

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<tr>
<th>Name</th>
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Site: http://instalatii.utcluj.ro/centre-de-cercetare.html
Address: 128-130 21 December 1989 Blvd., 400604, Cluj Napoca, Romania
Faculty Department: Department of Building Services
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Fax: -
Director: Assoc. Prof. Dr. Eng. Dana - Adriana ILUȚIU - VARVARA
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Areas of expertise

Environmental factors pollution control; Environmental parameters monitoring; Environmental quality; Indoor air quality (IAQ); Outdoor air quality (OAQ); Quality of industrial microclimate; Prediction of the environmental quality factors; Industrial wastes; Hazardous wastes; Wastes recycling; Sustainable development; New materials with special properties; Advanced materials; Materials for building services engineering; Materials chemistry; Applied chemistry; Environmental chemistry.

Team

Assoc. Prof. Dr. Eng. Dana - Adriana ILUȚIU - VARVARA, Assoc. Prof. Dr. Eng. Carmen Maria MĂRZA, Assoc. Prof. Claudiu AICIU, Lecturer Dr. Eng. Adriana HÂĐĂREAN, Lecturer Dr. Marius FETEA, Lecturer Dr. Ioan GIURCA, Lecturer Dr. Anca HOTUPAN, Lecturer Dr. Teodor Valeriu CHIRA, Lecturer Dr. Eng. Raluca - Paula MOLDOVAN, Lecturer Dr. Anagabriela DEAC, Lecturer Dr. Cristina IACOB, Lecturer Dr. Daniel RUSU, Lecturer Dr. Eng. Georgiana - Dorina CORSIUC, Lecturer Dr. Eng. Roxana MARE, Lecturer Dr. Eng. Tania RUS, Lecturer Dr. Ioana – Monica SAS – BOCA, Lecturer Dr. Marius TINTELECAN, Assist. Prof. Dr. Constantin CILIBIU.

Representative projects

"Studies and researches regarding the reduction of the negative environmental impact of the pollutants and solid wastes from the steelmaking", "Development and support of multidisciplinary postdoctoral programmes in major technical areas of national strategy of Research - Development - Innovation" 4D-POSTDOC, contract no. POSDRU/11.5/S/52603, project co-funded by the European Social Fund through Sectoral Operational Programme Human Resources Development 2007-2013, http://193.226.17.4:8080/sites/fordoc/default.aspx (2010-2013),

Significant results

Articles in ISI rated journals, in the past 5 years:
2. R. Mare, A. Hădărean, T. Rus, D. A. Iluțiu – Varvara, T. V. Chira, “Modelling of an Improved Hybrid Cooler Used in

**Significant solutions:**

New technologies for industrial wastes minimization;
New technologies for hazardous wastes minimization;
New methods for environmental factors pollution control;
New technologies for improvement the environment quality;
New methods for improvement the quality of industrial microclimate.

**Products and technologies:**

New materials for building services;
Technologies with low environmental impact.

**The offer addressed to the economic environment**

| Research & development | Research and development for industry by using applied research.  
|                         | Research and development of new methods and technologies with low environmental impact. 
|                         | Recovery of industrial wastes / Recycling of industrial wastes. 
|                         | Research and development of new methods and technologies for hazardous wastes treatment. 
|                         | Research and development of advanced materials for building services. |
| Consulting             | Consultancy for the industrial or academic environment, according to the skills of the research group members, in the following domains: Environmental Engineering; Indoor air quality (IAQ); Outdoor air quality (OAQ); Prediction of the environmental quality factors; Advanced materials; Wates management; Materials with Special Properties; Materials for Building Services. |
| Training               | Training courses according to the skills of the research group members. 
|                         | Training courses in environmental factors pollution control. 
|                         | Training courses in environmental quality analysis. 
|                         | Training courses in industrial wastes and hazardous wastes. 
|                         | Training course in prediction methods for environmental quality factors. 
|                         | Training courses in waste management. 
|                         | Training courses in materials for building services. 
|                         | Training courses in indoor air quality (IAQ). 
|                         | Training courses in outdoor air quality (OAQ). 
|                         | Training courses in quality of industrial microclimate. |