

## PERSONAL INFORMATION

## CIOBANU Daniela



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Sex Female | Date of birth 21/07/1973 | Nationality Romanian

## WORK EXPERIENCE

01/10/1998 - 01/10/2002

**Preparator**

Transilvania University of Braşov, Technological Engineering Faculty, Department DPR

01/10/2002 - 01/10/2005

**Assistant**

Transilvania University of Braşov, Technological Engineering Faculty, Department DPR

01/10/2005 - till now

**Lecturer**

Transilvania University of Braşov, Product Design and Environment Faculty,

Product Design, Mechatronic and Environment Department

Sector: Education

## EDUCATION AND TRAINING

2012

**Post – doctoral specialization**

Transilvania University of Brasov, in the field of : Innovative Products and Processes

Research project title: Development and optimization of parabolic dish concentrator solar collector for heating/cooling, coordinator: Prof. dr. eng Codruţa JALIU

2009

**Phd.**

Transilvania University of Brasov, in the field of: Mechanical Engineering

Phd. thesis: Cam linkages mechanism as multibody system method,  
coordinator: Prof. dr. eng. Ion VIŞA

2005

**Master**

Universitatea Transilvania din Braşov, Facultatea de Inginerie Tehnologica,  
Ingineria si Desingul Sistemelor de Energii Regenerabile

1998

**Course**

Transilvania University of Brasov, Technological Engineering Faculty,  
Engineering of mechanical power transmission specialization

1997

**Engineer**

Transilvania University of Brasov, Mechanical Faculty, Fine Mechanics specialization

2004

**SOCRATES scholarship**

Applied Sciences University of Aachen, Germany

2006

**Leonardo da Vinci scholarship**

In the field of sustainable development and recycling

PERSONAL SKILLS
 

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Mother tongue	Romanian
Foreign languages	English
Digital competence	▪ Microsoft Office; AUTOCAD; ADAMS
Organisational / managerial skills	▪ from 2014 Vice-president of ARoTMM Braşov organization ▪ Responsible of Solar Thermal Laboratory
Driving license	B

 ADDITIONAL INFORMATION
 

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Publication	<p>43 published papers;</p> <p>Ciobanu D., Jaliu, C., Saulescu, R., „Chain Tracking System for Solar Thermal Collector” Applied Mechanics and Materials Vol. 658 (2014) pp 35-40.</p> <p>Ciobanu, D., Visa, I., Enescu, M., Duta, A., Outdoor and indoor testing to increase the efficiency and durability of flat plate solar thermal collectors, Ed. Springer, 2014, ISBN 978-3-319-09706, pp.205-219.</p> <p>Ciobanu D., Eftimie E., Jaliu C., „The influence of measured/simulated weather data on evaluating the energy need in buildings”, SHC Conference , Freiburg 2013, Energy Procedia, 2014,(vol 48), pp. 796-805.</p> <p>Ciobanu, D., Jaliu, C., „Innovative tracking system for parabolic dish solar collector”, The 11th IFToMM International Symposium on Science of Mechanism and Machines, Pub. Springer, 2013, pp 317-328.</p> <p>Ciobanu D., Visa I., Duta, A., „Solar thermal collectors outdoor testing in saline environment”, Soloar Heating Conference , Freiburg 2013, Energy Procedia, 2014,(vol. 48) pp. 707-714.</p> <p>Ciobanu D., ” Conceptual design of a solar thermal system with dish solar collector”, Journal Environment Engineering and Management, 2011, Vol. 10, Nr.8.</p>
Patents	<p>3</p> <p>Title “Cardioids cams gear” nr. RO125178-A0, authors: Visa I., Diaconescu D., Ciobanu D., Velicu R.</p>
Co-author at monographs	<p>3</p> <p>Visa, I, Jaliu C., Duta A., Neagoe. M., Comsit. M., Macedon M., Ciobanu D., Burduhos B., Saulescu R., The Role of Mechanisms in Sustainable Energy System, Transilvania University Publishing House, 2015.</p>
Research contracts	<p>1 director: CNCSIS 153_1.10.2007(93/2007)-“Modeling cam and linkages mechanism using multibody system method”, 2007-2008</p> <p>in 17 member in the research team</p>

 ANNEXES
 

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- List of research paper