

PERSONAL INFORMATION



Coman Diana

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OCCUPATION OR POSITION HELD

Associate Professor, PhD

Employer's name and address

„Lucian Blaga” University of Sibiu / Faculty of Engineering / 10 Blvd. Victoriei, 550024 Sibiu , Romania

WORK EXPERIENCE

Teaching assistant/ Lecturer/ Associate Professor: 1992-present

Department of Industrial Machinery and Equipment, Faculty of Engineering, "Lucian Blaga" University of Sibiu / 4 Emil Cioran street, 550025 Sibiu, Romania

- Educational and research activities in the field of *Textile Fibres, Raw materials for textiles and leather, Textile and Leather Products Chemical Finishing, Special and Unconventional Textile Finishings, Organization and norming production*
- Experience in national and international projects research projects - involvement as manager and member; publishing activity for Acta Universitatis Cibiniensis Journal– Technical Series
- Training and evaluation of students, projects' mentorship, teaching papers; guidance, counselling and tutoring activities for students.

EDUCATION AND TRAINING

Master studies

- in Environmental Science, "*Expertise and Management of Ecological Systems*", "Lucian Blaga" University of Sibiu, Faculty of Science, Romania

Ph.D.

- in Chemistry, with the thesis "*Stabilizing through retreatment of anionic colours applied on textile fibres*", "Gh.Asachi" Technical University of Iași, Romania (1998)

Full time professional degree
Bachelor's Degree

- Finalized Level in High School Education System (1990)
- in Chemical Textile Technology, Faculty of Textiles Chemistry and Technology, "Gh.Asachi" Polytechnical Institute, Iași, Romania (1984)

Trainings

- 2013: Training Course "Organizing of a PT scheme live", Braşov, Romania; trainer Piotr Robouch (European Commission, Joint Research Centre, Belgium), organized by CEPROCIM, AFSIC, Transilvania University, "Lucian Blaga" University of Sibiu and ANCS
- 2012: Course on training and specialization in "Thermal Analysis and Calorimetry Techniques", "Ilie Murgulescu", Chemical - Physics Institute from Bucharest, Romania
- 2011: Training Course "Assuring the quality of test results. The practical implementation of section 5.9 of the EN ISO/IEC 17025 Standard", Iași, Romania, trainers: P. Bode (Delft University of Technology, the Netherlands) and P. de Bievre (Accreditation and Quality Assurance Journal of Quality, Comparability and Reliability in Chemical Measurement SPRINGER, Belgium), organized by CEPROCIM, AFSIC, ULBS and ANCS
- 2011: Professional Training Course: Health and security work domain specialized Inspector code COR 241919, SC. Sidra Serv.SRL Sibiu, Romania
- 2011: Specialization Course on "Prevention of professional and general risk to exposure to biological agents in health care facilities", "Lucian Blaga" University of Sibiu, Romania
- 2010: Professional Training Course: Project manager, COR 241919 code, SC.First Job School SRL, Braşov, Romania
- 2009: Training Course "Statistics in PT–From homogeneity and stability testing to consensus means and proficiency assessment", Sibiu, Romania; trainers M. Koch (Stuttgart University, Germany) and P. Robouch (Institute for Reference Materials and Measurements, Belgium), organized by CEPROCIM, ULBS and ANCS
- 2008: Specialization Course on "Training on the Manual for elaborating National Technical Guidelines on BAT (NTGs)", within UE Programme called "Further support for IPPC and LCP Directives Implementation", at Environment and Sustainable Development Ministry, Bucharest
- 2008: Attendance Certificate at "Presentation & Visualization" within the project entitled "Key-

- competences in South-Eastern Europe universities”, Department for teaching personnel training, ULBS
- 2007: Training Course: "Training in Metrology in Chemistry: TrainMiC", European Commission-Joint Research Centre, Institute for Reference Materials and Measurements, Geel, Belgium
- 1988: Training Course: "Instruction and training of Work Norm Personnel, Wool Industry Head Office, Bucharest
- 1986: Training Course: "Modern Technologies and Equipment in Wool Finishing" MIU Bucharest, Romania

PERSONAL SKILLS

Known languages English, French, German

Professional skills Professional activities running in the university lead to obtaining of competencies in **Chemical Textile Materials Science and Engineering, Ecological Technologies**, the main interest fields in research activity being:

- tinctorial technologies in textile and leather industry
- ecologization and biotechnologization of textile products and processes
- chemical finishing of textile products
- technical and multifunctional materials
- investigation and characterization of textile materials
- biofunctionalization of textile supports with antimicrobial agents
- applying of natural extracts in eco-friendly textile dyeing
- surface's chemistry and treatment
- functionalization through classic and non-conventional procedures of textile materials
- environment expertise and management

Organisational / managerial / communication skills

- attendance and management of research projects
- editor of the Proceedings of "International Proficiency Testing Conference" held in Romania
- member of the Steering Committee–Scientific Group of the "International Proficiency Testing Conference" held in Romania
- member of the editorial board of "Acta Universitatis Cibiniensis–Technical Series" journal, edited by "Lucian Blaga" University from Sibiu, Romania
- member in scientific committees for doctoral thesis debates
- member in License Committees
- member in Engineering Faculty Council from 2007-present.
- coordination of students' scientific and research activities in the field of Finishing Textile Technology and coordination of graduation theses in the field of Textile Engineering

ADDITIONAL INFORMATION

- Publications
- 81 total number of articles, as author and co-author
 - 8 specialized books, as author and co-author
 - 2 chapters in international books
 - 15 articles published in ISI Journals and Proceedings
 - 16 articles published in International Data Bases
 - 52 papers presented and published at national and international scientific sessions

- Research projects
- 9 research projects:
- member of the research project: Bilateral Cooperation project Romania - Italy, 2013-2014, Project title "Peptaibiotics, an alternative to beta-lactam antibiotics: design, synthesis, bioactivity and textile functionalization" no.3795/2012, UEFISCDI - "Lucian Blaga" University of Sibiu, Romania
 - member of the national research project, PN-II-ID-PCE-2011-3-0474, 2012-2014, Project title "Research on anthocyanin bioactives from food plants, as useful tools for stabilization of polyunsaturated edible oils and for obtaining eco-textiles", UEFISCDI - "Lucian Blaga" University of Sibiu, Romania
 - member of the national research project PN-II-ID-PCE, ID-476, no. 524/2009, 2009-2011, Project title "New pharmaceutically and textiles relevant 3₁₀ helical peptidic structures with antimicrobial

- activity", CNCSIS -"Lucian Blaga" University of Sibiu, Romania
- research leader of the research project: no.232/2/2010, "The development of alternative textile materials for airbags", "Lucian Blaga" University of Sibiu, Romania - Takata Petri SRL company
- member of the research project: Bilateral Cooperation project Romania - Greece, IESL (Institute of Electronic Structure and Laser)- Heraklion, Creta, Project title: "The Influence of laser irradiation on the organic components of historic manuscripts", 2005-2008
- member of the national research project : "The development of internal clothing market by using the 3D scanning method in identifying the anthropometric characteristics typical of the Romanian population", beneficiary The Ministry of Economy and Finances, Contract nr.32/839788- Sectorial Operational Program "The Increase of Economic Competitiveness", Priority Axis 2 – Research, technological development and innovation competitiveness, Ministry of Economy and Finances
- member of the national research grant CNSCU, no. 3072/1997, "Determination of changes in microclimate undergarments products, using a mannequin placed in a conditioning room and connected to a computer", Ministry of Education, Research and Youth, Romania

Invention Patents

- " Retreatment method of textile materials dyed with direct colours"
OSIM, RO no.118314 C9/2003
- " Retreatment method of direct colour dyeings on celulosic fibres"
OSIM, RO no.118809 B1/2003

Memberships

- Society of Colouring Chemists of Romania (SCCR)
- Romanian Association for Unconventional Technologies (ATN)
- Member of the Technical Work Group – 6.2 (for textile industry of Romania) on BAT – BREF installation establishment IPPC (*Prevention and Integrated Control of Pollution*), according to the IPPC European Bureau– Sevilla of European Union.