

Curriculum vitae

Europass



First name(s) / Surname(s) **Iuliana Cocean**
 Address(es)
 Telephone(s) 0744 785987
 E-mail iulianacocean@hotmail.com
 Nationality Romanian
 Date of birth 20th January 1963
 Gender Female

**PRESENT EMPLOYMENT/
OCUPATIONAL FIELD**

Alexandru Ioan Cuza University of Iasi, Doctoral School, Faculty of Physics/PhD Student/ Educational Activities / Research

WORK EXPERIENCE

Dates 1988 – 1990 / 1990 -1997 / 1997 – 2019 / 2016 - Present
 Occupation or position held Chemist Engineer Colorist / Textile Chemist Engineer and High School Teacher and Head of Prices Office/ Manager and Textile Chemist Engineer – PhD Student/Research Assistant
 Name and address of employer Dyestuff Factory “Colorom” Codlea, jud. Brasov – Coloristic Laboratory/ SC Fintex SA Falticeni, jud. Suceava – Technical Office, Textile High School, Prices Office - Financial Department / SC Hemp Supply SRL - Alexandru Ioan Cuza University of Iasi, Doctoral School, Faculty of Physics
 Type of business or sector Dyestuffs Production / Textile Production/ Export and chemistry and technology of textiles advising and design
 Main activities and responsibilities Final quality inspection of dyestuffs, testing research and new products, custom service on use of dyestuffs, tests and special dyeing recipes / Development of dyeing recipes and recipes for chemical treatment of textile products made of hemp, linen and cotton, teaching quality inspection methods and design, prices calculation and negotiation / Development of new chemical technologies for hemp textiles for the own production, new fabric textures, working with different factories in Romania and delivering for export to USA, Japan, Germany, France. Italy, UK, South Africa, Hong Kong and China custom products / Laser produced composite materials research; Environmental research; FTIR, LIF, SEM-EDX, AFM analyses, results processing and discussions.

EDUCATION AND TRAINING

Dates 1983 -1988
 Title of qualification awarded Chemist Engineer
 Name and type of organization providing education and training Technical University “Gheorghe Asachi” from Iasi, Faculty of Textile Technology and Chemistry, Profile Chemistry, Specialization Chemical Technology of Textiles, Leather and Leather Substitutes

PERSONAL SKILLS

Mother tongue Romanian
 Other language(s) English; French
 Self – assessment

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	

English French	C2	C2	C2	C2	C2
	B2	B2	B1	B1	B1
Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user COMMON EUROPEAN FRAMEWORK OF REFERENCE FOR LANGUAGES					

Additional information

Participations in funded projects:

1. SATY: Satellite hybrid micro-thrusters, Romanian Space Agency (ROSA), 2017- 2018 (Project Manager, Assoc. Prof. Habil. PhD Silviu Octavian GURLUI), Position: Research Assistant
2. AiRFRAME: Aerosol properties retrieval from remote sensing spectroscopic measurements (partner UAIC), (ROSA), 2017-2018 (Project Manager, Assoc. Prof. Habil. PhD Silviu Octavian GURLUI), Position: Research Assistant
3. RECENT-AIR: Research center with integrated techniques for investigating atmospheric aerosols in Romania, POC 2014-2020/448/1/1/, Position: Management and Scientific Group

List of scientific papers:

1. A. Cocean, V. Pelin, M. M. Cazacu, **I. Cocean**, I. Sandu, S. Gurlui, F. Iacomi, Thermal effects induced by laser ablation in non-homogeneous limestone covered by an impurity layer, Applied Surface Science 424 (2017) 324–329, <http://dx.doi.org/10.1016/j.apsusc.2017.03.172>
2. A. Cocean, **I. Cocean**, S. Gurlui, F. Iacomi, Study of the pulsed laser deposition phenomena by means of Comsol Multiphysics, U.P.B. Sci. Bull., Series A, Vol. 79, Iss. 2, 2017
3. A. Cocean, **I. Cocean**, M.M. Cazacu, G. Bulai, F. Iacomi, S. Gurlui, Atmosphere self-cleaning under humidity conditions and influence of the snowflakes and artificial light, Applied Surface Science 443 (2018) 83–90, DOI: 10.1016/j.apsusc.2018.02.156
4. **I. Cocean**, A. Cocean, V. Pohoata, F. Iacomi, S. Gurlui, City water pollution by soot-surface-active agents revealed by FTIR spectroscopy, Applied Surface Science 488 (2019) 418–426, DOI: 10.1016/j.apsusc.2019.05.207
5. **I. Cocean**, A. Cocean, C. Postolachi, V. Pohoata, N. Cimpoesu, G. Bulai, F. Iacomi, S. Gurlui, alpha keratin amino acids behavior under high fluence laser interaction. Medical applications, Applied Surface Science 499 (2020) 142487, DOI: 10.1016/j.apsusc.2019.05.207
6. A Cocean, **I. Cocean**, C Postolachi, D Pricop, F Husanu and S Gurlui, Laser Induced Dyeing (LID) with Reactive Blue 21 on Hemp Fibers, IOP Conf. Series: Materials Science and Engineering 877 (2020) 012022, doi:10.1088/1757-899X/877/1/012022
7. A Cocean, **I. Cocean**, C Postolachi, N Cimpoesu, F Husanu, B Munteanu and S Gurlui, Copper Sulfate Pentahydrate Target Behavior During Pulsed Laser Deposition to Produce Dichroic Coatings for Beam Splitters, IOP Conf. Series: Materials Science and Engineering 877 (2020) 012005, doi:10.1088/1757-899X/877/1/012005
8. **I. Cocean**, M Diaconu, A Cocean, C Postolachi and S Gurlui, Landfill Waste Fire Effects Over Town Areas Under Rainwaters, IOP Conf. Series: Materials Science and Engineering 877 (2020) 012048, doi:10.1088/1757-899X/877/1/012048
9. S Garofalide, M Diaconu, **I. Cocean**, A Cocean, V Pelin, S Gurlui and L Leontie, Study of Physico-Chemical Characteristics of Some Major Urban Air Pollutants, IOP Conf. Series: Materials Science and Engineering 877 (2020) 012049, doi:10.1088/1757-899X/877/1/012049

Conference participations:

1. A. Cocean, **I. Cocean**, S. Gurlui, F. Iacomi, Study of the Pulsed Laser Deposition Phenomena by Means of COMSOL Multiphysics, the 5th International Colloquium 'Physics of Materials' - PM-5, University POLITEHNICA of Bucharest, November 10-11, 2016.
2. A. Cocean, **I. Cocean**, M. M. Cazacu, V. Pohoată, D. Pricop, S. Gurlui, F. Iacomi, Effects of silver interaction with light over textile dyestuffs chromophore groups in the reaction with hemp fabrics, International Photocatalysis Workshop AdvPhotoCat-E2017, Heraklion, Greece. 14-16 July 2017
3. **I. Cocean**, A. Cocean, M. M. Cazacu, V. Pohoată, D. Pricop, D. Țîmpu, S. Gurlui, F. Iacomi, Dyeing process for recovery of textile reactive dyestuffs from wastewaters using photocatalytic ability of garnet and turquoise gemstones, International Photocatalysis Workshop AdvPhotoCat-E2017, Heraklion, Greece. 14-16 July 2017
4. Participation in the Local Organizing Committee of " The 15th National Conference of Medical Physics 10 – 12 November 2017, Iasi
5. **Iuliana Cocean**, Alexandru Cocean, Loredana Cojocar, Valentin Pohoata, Nicanor Cimpoesu, Georgiana Bulai, , Felicia Iacomi, Silviu Gurlui, Study of horn and wool keratin and shell chitosan PLD, film properties and its effects on

- hemp fabrics, International Conference On Physics Of Advanced Materials (ICPAM-12), Technological Educational Institute of Crete, Heraklion, Greece, from 22nd of September to 28th of September, 2018
6. **Iuliana Cocean**, Alexandru Cocean, Valentin Pohoata, Loredana Cojocaru, Francisca Husanu, Silviu Gurlui, Felicia Iacomi, Effect of soot – surface-active agents composites on air and water pollution, International Conference On Physics Of Advanced Materials (ICPAM-12), Technological Educational Institute of Crete, Heraklion, Greece, from 22nd of September to 28th of September, 2018
 7. D. A. Pricop, C. Uratu, L. E. Ursu, A. Coroaba, A. Arvinte, A. Cocean, **I. Cocean**, S. Gurlui, F. Iacomi, D. E. Creanga, Surface properties changing in AuNP-citrate particles, exposed to visible radiation, International Conference On Physics Of Advanced Materials (ICPAM-12), Technological Educational Institute of Crete, Heraklion, Greece, from 22nd of September to 28th of September, 2018
 8. A Cocean, **I Cocean**, C Postolachi, N Cimpoesu, F Husanu, B Munteanu and S Gurlui, Copper sulfate pentahydrate target behavior during pulsed laser deposition to produce dichroic coatings for beam splitters, International Conference on Innovative Research, May 21st to 22nd, 2020, Iași, Romania
 9. **I Cocean**, M Diaconu, A Cocean, C Postolachi and S Gurlui, Landfill waste fire effects over town areas under rainwaters, International Conference on Innovative Research, May 21st to 22nd, 2020, Iași, Romania
 10. A Cocean, **I Cocean**, C Postolachi, D Pricop, F Husanu and S Gurlui, Laser induced dyeing (LID) with Reactive Blue 21 on hemp fibers, International Conference on Innovative Research, May 21st to 22nd, 2020, Iași, Romania
 11. S Garofalide, M Diaconu, **I Cocean**, A Cocean, V Pelin, S Gurlui and L Leontie, Study of physico-chemical characteristics of some major urban air pollutants, International Conference on Innovative Research, May 21st to 22nd, 2020, Iași, Romania
 12. Participation to the XVth National Conference of Medical Physics, organized in Iași, Romania within 10 – 12 November 2017, 24 CPD credits (Continuing Professional Development)