

Lista de lucrări

Dr. Iuliana Cocean

1. Articole științifice publicate *in extenso* în reviste cotate *Web of Science* cu factor de impact

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> [IF = 4.439; AIS = 0.627]
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) ISSN 1223-7027, [IF = 0.41; AIS = 0.097]
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 [IF = 5.155; AIS = 0.671]
4. **I. Cocean**, A. Cocean, 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 [IF = 6.182; AIS = 0.772]
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 [IF = 6.182; AIS = 0.772]

2. Articole științifice publicate *in extenso* în reviste fără factor de impact

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

3. Conferințe

1. A. Cocean, **I. Cocean**, M. M. Cazacu, V. Pohoățã, 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 – *Poster Presentation Alexandru Cocean*
2. **I. Cocean**, A. Cocean, M. M. Cazacu, V. Pohoățã, 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 – **Oral presentation Iuliana Cocean**
3. **I. Cocean**, A. Cocean, L. Cojocar, V. Pohoata, N. Cimpoesu, G. Bulai, F. Iacomi, S. 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 – **Poster presentation Iuliana Cocean**
4. **I. Cocean**, A. Cocean, V. Pohoata, L. Cojocar, F. Husanu, S. Gurlui, F. 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 - **Oral presentation Iuliana Cocean**

5. A. Cocean, **I. Cocean**, L. Cojocaru, N. Cimpoesu, G. Bulai, F. Iacomi, S. Gurlui, Damage threshold of special mirrors obtained by pulsed laser deposition under high fluence irradiation. Experimental and theoretical overview in COMSOL, 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 – oral presentation – *Oral presentation Alexandru Cocean*
6. 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 - *Oral presentation Alexandru Cocean*
7. **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 - **Oral presentation Iuliana Cocean**
8. 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 - **Oral presentation Iuliana Cocean**
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, International Conference on Innovative Research, May 21st to 22nd, 2020, Iași, Romania - *Poster presentation Silvia Garofalide*
10. Participation to the XVth National Conference of Medical Physics, organized in Iași, Romania within 10 – 12 November 2017, 24 CPD credits (*Continuing Professional Development*)

4. Membru în proiecte de cercetare

1. SATY: Satellite hybrid micro-thrusters, Romanian Space Agency (ROSA), 2017- 2018/ 370.000 EURO (Project Manager, Assoc. Prof. Habil. PhD Silviu Octavian GURLUI), Position: Research Assistant/ Asistent de cercetare științifică (ACS)
2. RECENT-AIR: Research center with integrated techniques for investigating atmospheric aerosols in Romania, POC 2014-2020/448/1/1/, Poziția: Management și grupul științific în echipa de scriere a proiectului