

Published papers by Laser Spectroscopy and Optics Group on 2019

1. P.C. Logofatu, V. Damian, T. Vasile, M. L. Pascu, "Two instances of image super-resolution using sensor raster scanning and deconvolution", **Romanian Reports in Physics** vol. 71, pp 401 (2019)
2. P.C. Logofatu, V. Damian, "Snapshot interferometric multispectral imaging using deconvolution and colorimetric fit", **Optics and Laser Technology**, vol. 11, pp. 100-109 (2019)
3. T. Tozar, I.R. Andrei, R. Costin, M.L. Pascu, "Laser induced autofluorescence lifetime to identify larynx squamous cell carcinoma: Short series ex vivo study", **Journal of Photochemistry and Photobiology B: Biology**, vol. 202 (2019)
4. I. R. Andrei, C. Onea, P. E. Sterian, I. Ionita, M. L. Pascu "Control of slave chaotic dynamics by master current modulation in a chaotic coupled laser system", **Optoelectronics and Advanced Materials – Rapid Communications**, Vol.13, No. 5-6, P 284-289 (2019)
5. T. Tozar, V. Nastasa, A. Stoicu, M. C. Chifiriuc, M. Popa, C. Kamerzan, M. L. Pascu "In vitro antimicrobial efficacy of laser exposed chlorpromazine against Gram-positive bacteria in planktonic and biofilm growth state", **Microbial Pathogenesis**, vol. 129, p. 250–256 (2019)
6. A. Dinache, A. Smarandache, I. R. Andrei, I. Urzica, C. Nichita, M. Boni, V. Nastasa, M. L. Pascu "Laser assisted generation of micro/nanosize emulsions", **Colloids and Surfaces A**, vol. 577, p. 265– 273 (2019)
7. F. Garoi, C. Udrea, C. Damian, P. Prepelita, D. Coltuc "THz Laser Beam Profiling by Homogeneous Photodoping of High Resistivity Silicon in a Compact Single-Pixel Detection Setup", **IEEE Transactions on Terahertz Science and Technology**, VOL. 9, NO. 2, p. 200 - 208 (2019)
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10. F. Garoi "Profilometry by polarizing phase-shifting interferometry", **Romanian Journal of Physics** Vol. 64, No. 204, p. 1-12 (2019)
11. M. Leulescu, G. Iacobescu, M. Bojan, P. Rotaru "Ponceau 4R azoic red dye: Thermal behavior, optical anisotropy and terahertz spectroscopy study", **Journal of Thermal Analysis and Calorimetry**, Vol. 138, Issue: 3, p. 2091-2101 (2019)
12. C. Hu, R. Sam, M. Shan, V. Nastasa, M. Wang, T. Kim, M. Gillette, P. Sengupta, G. Popescu "Optical excitation and detection of neuronal activity", **J. Biophotonics**, Vol 12, Issue 3, e201800269 (2019)
13. A. S. Cucoanes, M. Gugiu, F. Rotaru, F. Negoita, L. Tudor, S. Kisyov, C. Manailescu, V. Nastasa "Radiochromic film calibration at 9mv accelerator of IFIN-HH", **Proceedings of The Romanian Academy**, Series A – Vol.: 20, 1, 29-36 (2019)
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