

POSTERS SESSIONS

BIOMEDICAL LASER APPLICATIONS

September 27

1. **Broadband Optical Illumination in a TD-OCT System for Live Imaging in Developmental Biology at 1300 nm Wavelength**
R.Cernat, .Dobre, A.Bradu and A.Gh.Podoleanu (Romania)
2. **Noninvasive Detection of Breath Ammonia Levels in Renal Diseases Using Laser Photoacoustic Spectroscopy**
R. Cernat, D.C.A. Dutu, M. Patachia, C. Achim and D.C. Dumitras (Romania)
3. **Formation of Biocompatible Silicon Nanocrystals with Desired Structure and Optical Properties**
T. Yu. Bazylenko, L. A. Osminkina, R. A. Abidulina, A. I. Efimova, M. B. Gongalsky, A. V. Motuzyuk, V. Yu. Timoshenko, A. H. Gaydarova, G. T. Sukhih, and □. D. Durnev (Russia)
4. **Laser Stereolithography in Cosmetic Surgery**
S.A. □herebylo, A.V. Evseev, P.N. Mitroshenkov (Russia)
5. **Effect of the Ions with Different Ionic Radius on Lysozyme in Water Solutions.**
Ksenya V. Fedorova, Irina A. Sergeeva, Galina P. Petrova, Y.M. Petrusevich (Russia)
6. **Photodynamic Therapy on B16 Cells With Tetrasulphonated Porphyrin and Different Light Sources**
Simona Florentina Pop, R.M. Ion, M. Neagu and C. Constantin (Romania)
7. **A New Method of Herpes Keratitis Treatment by means of 1.4um Laser Diode.**
P.A. Gonchar, M.A. Frolov, N.V. Rodionova, Yu. L. Kalachev, V. A. Mihailov, I. A. Shcherbakov (Russia)
8. **Experimental Study of the Multiple Scattering Effect on the Flow Velocity Profiles Measured in Intralipid Phantoms by DOCT**
Janne Lauri, Alexander V. Bykov, Alexander V. Priezhev and Risto Myllylä (Finland)
9. **Histological Studies of Pathological ENT Tissues Irradiated by Laser Diode and CO₂ Laser Surgical System**
M. Petrus, D.C. Dumitras, D.C. Dutu (Romania)
10. **Dynamic Light Scattering Studies of Collagen Solutions Containing Metal Ions with Different Ionic Radii**
I.A. Sergeeva, M.S. Ivanova, K.V. Fedorova, G.P. Petrova, Yu.M. Petrusevich. (Russia)
11. **Luminescent Porous Silicon for Biosensing Applications**
Viktoriia Shevchenko (Ukraine)
12. **HCN Detection in Human Breath Using a CW Optical Parametric Oscillator**
M. Spunei, D. Arslanov, S. Persijn, S. Cristescu, P. Merkus, F. J.M. Harren (Netherlands)
13. **Simulation of Optical Radiation Propagation in Plant Tissue**
V. P. Zakharov, I. A. Bratchenko, E.V.Timchenko (Russia)
14. **The Possibilities of the Oxygen Saturation Spectral Imaging Method**
Tatiana A. Savelieva, Maxim V. Loschenov , Sergey Yu. Petrov and Sergey Yu. Vasilchenko (Russia)
15. **Controlled Laser Hyperthermia of Subdermal Neoplasms**
Nina A. Kalyagina, Irina A. Shikunova, Tatiana A. Savelieva, Viktor B. Loschenov (Russia)
16. **Sunscreen-Grade Nanoparticles: Aspects of Interaction with Skin**
A.P. Popov, A. Zvyagin, M.S. Roberts, J. Lademann, A.V. Priezhev, and R. Myllyä (Russia)
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20. **Polarization-Resolved Study of Passively Q-switched Diode-Pumped Nd:YVO₄ Lasers with Cr⁴⁺:YAG and V³⁺:YAG Saturable Absorbers**
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22. **Laser-Induced Diffraction and Reflection in the Nonlinear Defocusing Media**
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23. **Blue Laser Light Generation by Frequency Doubling of a Cesium Vapor Laser**
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24. **Second-Harmonic Generation and Optical Bistability in Thin Ge_xSb_{40-x}S₆₀ Chalcogenide Films**
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34. **The Possibility of Wideband CO Laser and Sr Vapor Laser Using for Atmosphere Monitoring**
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62. **The Q-switched Hybrid Er:YAG Laser**
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69. **Roughness Measurement with Laser Speckle Pattern of Milled Metals Using Speckle Statistics Analysis**
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79. **Specific Character of the Sn Thin Films Growth on Amorphous Si by CBPLD Method**
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82. **Synthesis of Luminescent Si Nanoparticles Using Laser-Induced Pyrolysis**
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