

**POSTER SESSION 2, Wednesday, September 3, 16:35 – 18:35**

- 1** I. Gancarz, J. Kunicki  
APPLICATION OF PLASMA-INDUCED GRAFTING FOR MODIFICATION OF ALKALINE BATTERY SEPARATOR
- 2** A. Buček, T. Homola, M. Aranyosiová, D. Velič, J. Havel, P. Sťahel and A. Zahoranová  
ATMOSPHERIC PRESSURE NON-EQUILIBRIUM PLASMA TREATMENT OF GLASS SURFACE
- 3** N. Radić, B. M. Obradović, P. Sťahel, J. Ráhel' and M. Černák  
SURFACE MODIFICATION OF POLYPROPYLENE IN ATMOSPHERIC PRESSURE DIFFUSE COPLANAR SURFACE BARRIER DISCHARGE
- 4** R. Chvalinová and J. Wiener  
SORPTION PROPERTIES OF WOOL FIBRES AFTER PLASMA TREATMENT
- 5** Marie Štěpánková, Jan Grégr, Jana Šašková and Jakub Wiener  
USING OF DSCBD PLASMA FOR TREATMENT OF KEVLAR AND NOMEX FIBERS
- 6** P. Nasadil and P. Benesovsky  
PLASMA IN TEXTILE TREATMENT
- 7** T. Czapka, W. Mielcarek, A. Warycha, K. Prociów and B. Mazurek  
ODORS CONTROL WITH NON-THERMAL PLASMA REACTOR
- 8** P. Baroch and N. Saito  
DIELECTRIC BARRIER DISCHARGE REACTOR WITH ENHANCED EFFICIENCY FOR PURIFICATION OF POLLUTED WATER
- 9** J. Ráhel', V. Procházka, M. Zahoran and D. Erben  
REMOVAL OF COPPER METAL IONS FROM AQUEOUS SOLUTIONS BY PLASMA MADE CHITOSAN FILTER
- 10** M. M. Kuraica, B. M. Obradović, G. Sretenović, B. Dojčinović, G. Roglić and D. Manojlović  
SIMULTANEOUS REMOVAL OF NOX AND SO<sub>2</sub> FROM COAL-BURNING FLUE GAS USING DIRECT AND INDIRECT OXIDATION METHODS
- 11** N. Radić, M. Kostić, B. M. Obradović, S. Dimitrijević, M. M. Kuraica and P. Škundrić  
SILVER DEPOSITION ON COTTON/POLYESTER FABRIC MODIFIED BY PLASMA TREATMENT
- 12** V. Shapoval, V. Chernyak, S. Olshevski, V. Yukhymenko, V. Naumov, M. Dors and J. Mizeraczyk  
PLASMA CHEMICAL TREATMENT OF PHENOL SOLUTIONS IN DYNAMIC PLASMA LIQUID SYSTEM
- 13** V. Shapoval, S. Olszewski and V. Chernyak  
PROPERTIES OF THE DISTILLED WATER AFTER PROCESSING IN DYNAMIC PLASMA-LIQUID SYSTEMS

- 14** J. Pawlat, S. Ihara, K. Hensel, C. Yamabe  
TREATMENT OF SURFACTANTS IN THE FOAMING COLUMN
- 15** K. Hensel, S. Sato and A. Mizuno  
ELECTRICAL DISCHARGE IN HONEYCOMB MONOLITH
- 16** H.-H Kim , J.- H. Kim and A. Ogata  
PLASMA-CATALYST PROCESSING OF DILUTE VOLATILE ORGANIC COMPOUNDS AT ATMOSPHERE PRESSURE
- 17** I. Halamova, Z. Stara and F. Krcma  
INTERACTION OF ELECTRICAL DISCHARGE WITH WATER SOLUTIONS OF HUMIC MATTERS
- 18** F. Krčma, J. Vyhnalíková, L. Poláchová, H. Grossmannová and Z. Stará  
VOC DECOMPOSITION IN SURFACE DISCHARGE
- 19** A. Hrdlička, L. Prokeš, K. Novotný, V. Kanický and V. Otruba  
SPATIALLY RESOLVED LASER INDUCED BREAKDOWN SPECTROSCOPY OF ARCHAEOLOGICAL FINDINGS IN ORTHOGONAL DOUBLE PULSE CONFIGURATION
- 20** J. Vrajova, L. Chalupova, F. Krcma and P. Stahel  
STERILIZATION BY ATMOSPHERIC PRESSURE DBD
- 21** I. Mustata, A. Anghel, C. Porosnicu, I. Jepu, M. Badulescu, A. M. Lungu, C. P. Lungu, V. Kuncser, G. Schinteie, D. Predoi, V. Ciupina, G. Musa, R. Vladoiu and G. Prodan  
CHARACTERIZATION OF NANOSTRUCTURED MAGNETOREZISTIVE THIN FILMS PREPARED BY THERMIONIC VACUUM ARC METHOD
- 22** R. Vladoiu, V. Ciupina, C. P. Lungu, O.I. Pompilian, P. Chiru, A. M. Lungu, G. Prodan, A. Mandes and G. Musa  
CHARACTERIZATION OF NANOSTRUCTURED CARBON-METAL BILAYERS DEPOSITED BY THERMIONIC VACUUM ARC (TVA) TECHNOLOGY
- 23** M.Eliáš, Z. Kučerová, O. Jašek, L. Zajíčková, V. Buršíková, H. Maršíková and P. Synek  
FUNCTIONALIZATION OF CARBON NANOTUBES IN LOW PRESSURE RF DISCHARGE
- 24** L. Zajíčková, P. Synek, O. Jašek, L. Lazar, M. Eliáš, B. David, J. Buršík, N. Pizúrová, J. Matějková and R. Hanzlíková  
SYNTHESIS OF CARBON NANOTUBES AND IRON OXIDE NANOPARTICLES IN MW PLASMA TORCH WITH IRON PENTACARBONYL IN GAS FEED
- 25** M. Kárasková, L. Zajíčková, V. Buršíková, O. Jašek, D. Franta, J. Matějková and P. Klapetek  
NUCLEATION AND PLASMA ENHANCED CHEMICAL VAPOR DEPOSITION OF ULTRANANOCRYSTALLINE DIAMOND FILMS ON DIFFERENT SUBSTRATES
- 26** V. Henč-Bartolić, T. Bončina, F. Zupanič, D. Pipić  
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- 27 T. Ficker  
POPULATION STATISTICS OF ELECTRON AVALANCHES AND STREAMERS
- 28 K. Novotný, F. Lutzký, M. Galiová, J. Kaiser, R. Malina, V. Kanický and V. Otruba  
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- 29 Országh J., Skalný J. D., Horváth, G. and Mason N. J.  
GAS FLOW RATE EFFECT ON NEGATIVE CORONA DISCHARGE FED BY CARBON DIOXIDE
- 30 G. Horváth, J. D. Skalný, J. N. Mason and M. Záhoran  
LABORATORY SIMULATION OF TITAN'S ATMOSPHERE IN POSITIVE COAXIAL CORONA DISCHARGE
- 31 V. Chernyak, S. Olszewski, V. Yukhymenko, V. Naumov, M. Verovchuck, E. Solomenko, A. Shchedrin, D. Levko, V. Demchina and V. Kudryavtsev  
PLASMA CHEMICAL CONVERSION OF ETHANOL INTO SYNGAS IN DYNAMIC PLASMA LIQUID SYSTEM
- 32 J. Gregor, I. Jakubova and J. Senk  
ANALYSIS OF ENERGY AND MASS FLOWS IN AN ARC HEATER WITH INTENSIVELY BLOWN ELECTRIC ARC
- 33 M. Jasiński, Z. Zakrzewski and J. Mizeraczyk  
ATMOSPHERIC PRESSURE MICROWAVE MICROPLASMA SOURCE
- 34 I. Prysiazhnevych, V. Chernyak and V. Yukhymenko  
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- 35 J. Kousal, A. Grinevich and H. Biederman  
MAGNETICALLY ENHANCED DIRECTIONAL PLASMA POLYMERIZATION SOURCE
- 36 Z. Kolacinski, Z. Muszczyński, W. Sroczynski, L. Szymanski  
PLASMA UTILIZATION OF SPENT CHEMICAL REAGENTS
- 37 R. Vladioiu, M. Contulov and G. Musa  
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- 38 V. Jirásek, J. Schmiedberger, M. Čenský, I. Picková, J. Kodymová and O. Špalek  
PLASMACHEMICAL GENERATION OF ATOMIC IODINE FOR IODINE LASERS PUMPED BY SINGLET OXYGEN
- 39 Y. Sun, A.G. Chmielewski, S. Bułka, Z. Zimek  
ORGANIC POLLUTANTS TREATMENT IN GAS PHASE BY USING ELECTRON BEAM GENERATED NON-THERMAL PLASMA REACTOR
- 40 P. Smekal, P. Slavicek, M. Szostkova, M. Klima  
STERILIZATION OF ESCHERICHIA COLI USING HIGH FREQUENCY ATMOSPHERIC PRESSURE PLASMA DISCHARGE