

# SVEUČILIŠTE JOSIPA JURJA STROSSMAYERA U OSIJEKU

## PRIRODNE, TEHNIČKE, BIOMEDICINSKE, BIOTEHNIČKE ZNANOSTI

### RADOVI

Broj znanstvenih radova objavljenih u časopisima u bazi Web of Science u 2011. godini

#### EKONOMSKI FAKULTET

1. Kristijan Sabo, Rudolf Scitovski, Ivan Vazler, Marijana Zekić-Sušac, Mathematical models of natural gas consumption, Energy conversion and management, Vol. 52 (2011), No. 3, ISSN: 0196-8904, pp. 1721-1727, [MATHOS ½, EFOS ½]
2. Margita Pavleković, Marijana Zekić-Sušac, Ivana Đurđević, A Neural Network Model for Predicting Children's Mathematical Gift. // Croatian Journal of Education; Hrvatski časopis za odgoj i obrazovanje tj. Odgojne znanosti. 13 (2011), 1; 10-30.

#### ELEKTROTEHNIČKI FAKULTET

1. Belic, Filip; Severdija, Davor; Hocenski, Zeljko, Naive Matrix Multiplication Versus Strassen Algorithm in Multi-Thread Environment, TEHNICKI VJESNIK-TECHNICAL GAZETTE 18 (2011)
2. Corluka, Venco; Hederic, Zeljko; Hadziselimovic, Miralem, Moisture Measurement in Solid Samples Using Raman Spectroscopy, PRZEGLAD ELEKTROTECHNICZNY 87 (2011)
3. Cupec, R.; Nyarko, E. K.; Grbic, R., Detection of Dominant Planar Surfaces in Disparity Images Based on Random Sampling, TEHNICKI VJESNIK-TECHNICAL GAZETTE 18 (2011)
4. Cupec, Robert; Aleksi, Ivan; Schmidt, Guenther, Step Sequence Planning for a Biped Robot by Means of a Cylindrical Shape Model and a High-Resolution 2.5D Map, ROBOTICS AND AUTONOMOUS SYSTEMS 59 (FEB 2011)
5. Hadzima-Nyarko, M.; Nyarko, E. K.; Moric, D., A Neural Network Based Modelling and Sensitivity Analysis of Damage Ratio Coefficient, EXPERT SYSTEMS WITH APPLICATIONS 38 (2011) [GFOS ½, ETFOS ½]
6. Herceg, Marijan; Grbic, Ratko; Svedek, Tomislav, Accurate Analytical Multiple-Access Performance of Time-Hopping Biorthogonal PPM IR-UWB Systems, ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING 11 (2011)

7. Herceg, Marijan; Grbic, Ratko; Svedek, Tomislav, Analytical Performance Evaluation of Time-Hopping Pulse Position Amplitude Modulation Ir-Uwb Systems under Multi User Interference, TEHNICKI VJESNIK-TECHNICAL GAZETTE 18 (SEP 2011)
8. Ivanovic, Milan; Keser, Tomislav; Blazevic, Damir, Capitalization of Knowledge - Innovation Processes in Transitional Countries, TEHNICKI VJESNIK-TECHNICAL GAZETTE 18 (MAR 2011)
9. Jovic, Franjo; Slavek, Ninoslav; Blazevic, Damir, Reinforcement Learning in Non-Markov Conservative Environment Using an Inductive Qualitative Model, INTERNATIONAL JOURNAL ON ARTIFICIAL INTELLIGENCE TOOLS 20 (OCT 2011)
10. Kadlec, P.; Grbic, R.; Gabrys, B., Review of Adaptation Mechanisms for Data-Driven Soft Sensors, COMPUTERS & CHEMICAL ENGINEERING 35 (2011)
11. Klaic, Zvonimir; Nikolovski, Srete; Kraus, Zorislav, Voltage Variation Performance Indices in Distribution Network, TEHNICKI VJESNIK-TECHNICAL GAZETTE 18 (DEC 2011)
12. Klaic, Zvonimir; Slijivac, Damir; Baus, Zoran, Probability Density Functions of Voltage Sags Measured Indices, JOURNAL OF ELECTRICAL ENGINEERING-ELEKTROTECHNICKY CASOPIS 62 (NOV-DEC 2011)
13. Land, Rikard; Crnkovic, Ivica; Oh Dear, We Bought Our Competitor: Integrating Similar Software Systems, IEEE SOFTWARE 28 (MAR-APR 2011)
14. Martinovic, Goran; Salai, Mario, Multimedia Requirements of Software for Computer Supported Cooperative Learning, TECHNICS TECHNOLOGIES EDUCATION MANAGEMENT-TTEM 6 (2011)
15. Milicevic, Kruno; Vinko, Davor; Emin, Zia, Identifying Ferroresonance Initiation for a Range of Initial Conditions and Parameters, NONLINEAR DYNAMICS 66 (DEC 2011)
16. Nenadic, Kresimir; Keser, Tomislav; Jovic, Franjo, Differential Digital Holography in Quality Control, TEHNICKI VJESNIK-TECHNICAL GAZETTE 18 (JUN 2011)
17. Rupcic, Slavko; Mandric, Vanja; Zagar, Drago, Reduction of Sidelobes by Nonuniform Elements Spacing of a Spherical Antenna Array, RADIOENGINEERING 20 (APR 2011)
18. Samardzic, I.; Dunder, M.; Pintaric, A., Possibilities Of Joining Techniques Application At Railway Lines Joining And Maintenance, METALURGIJA 50 (2011) [SFSB ½, ETFOS ½]
19. Sliskovic, Drazen; Grbic, Ratko; Hocenski, Zeljko, Methods for Plant Data-Based Process Modeling in Soft-Sensor Development, AUTOMATIKA 52 (NOV-DEC 2011)
20. Sliskovic, Drazen; Grbic, Ratko; Hocenski, Zeljko, Online Data Preprocessing in the Adaptive Process Model Building Based on Plant Data, TEHNICKI VJESNIK-TECHNICAL GAZETTE 18 (2011)
21. Solic, Kresimir; Grgic, Kresimir; Ilakovac, Vesna, Usage of Insecure E-Mail Services Among Researchers with Different Scientific Background, MEDICINSKI GLASNIK 8 (2011) [MEFOS ½, ETFOS ½]

## GRAĐEVINSKI FAKULTET

1. Kusljic, Danijel; Marenjak, Sasa, Evaluating success of public private partnership projects, GRADEVINAR 63 (2011)
2. Juric, Aleksandar; Stefic, Tihomir; Arbanas, Zlatko, Experimental analysis of the strength of a polymer produced from recycled material, TEHNICKI VJESNIK-TECHNICAL GAZETTE 18 (2011)
3. Netinger, Ivanka; Bjegovic, Dubravka; Vrhovac, Goran, Utilisation of steel slag as an aggregate in concrete, MATERIALS AND STRUCTURES 44 (2011)
4. Netinger, Ivanka; Kesegic, Ivana; Guljas, Ivica, The effect of high temperatures on the mechanical properties of concrete made with different types of aggregates, FIRE SAFETY JOURNAL 46 (2011)
5. Hadzima-Nyarko, Marijana; Nyarko, Emmanuel Karlo; Moric, Dragan, A neural network based modelling and sensitivity analysis of damage ratio coefficient, EXPERT SYSTEMS WITH APPLICATIONS 38 (2011) [GFOS ½, ETFOS ½]
6. Stober, Dina; Loncar-Vickovic, Sanja; Koski, Zeljko, Revitalization opportunities of planned settlements in Baranya, TEHNICKI VJESNIK-TECHNICAL GAZETTE 18 (2011)
7. Dimter, Sanja; Rukavina, Tatjana; Dragcevic, Vesna, Strength Properties of Fly Ash Stabilized Mixes, ROAD MATERIALS AND PAVEMENT DESIGN 12 (2011)
8. Lozancic, Silva; Takac, Stjepan; Klecina, Mirjana Bosnjak, Analytic modelling of connection flow for a wood - concrete composite structure, GRADEVINAR 63 (2011)
9. Penava, Davorin; Radic, Ivan; Gazic, Goran; Sigmund, Vladimir, Mechanical properties of masonry as required for the seismic resistance verification, TEHNICKI VJESNIK-TECHNICAL GAZETTE 18 (2011)
10. Kraus, Ivan; Moric, Dragan; Dzakic, Damir, Seismic analysis of a reinforced-concrete frame according to EN 1998-1, GRADEVINAR 63 (2011)
11. Stefic, Tihomir; Juric, Aleksandar; Marovic, Pavao, Determination of modulus of elasticity for glass fibre reinforced polymers, TEHNICKI VJESNIK-TECHNICAL AZETTE 18 (2011)
12. Mikoc, Miroslav; Bjelobrk, Ivan; Korajac, Josip, Alkali-activated fly ash concrete (concrete without cement), TEHNICKI VJESNIK-TECHNICAL GAZETTE 18 (2011)
13. Barisic, Ivana; Rukavina, Tatjana; Dimter, Sanja, Cement stabilizations - characterization of materials and design criteria, GRADEVINAR 63 (2011)
14. Netinger, Ivanka; Bjegovic, Dubravka; Varevac, Damir; Moric, Dragan, Use of slag from steel industry as concrete aggregate, GRADEVINAR 63 (2011)
15. Dimter, Sanja; Rukavina, Tatjana; Barisic, Ivana, Application of the ultrasonic method in evaluation of properties of stabilized mixes, BALTIC JOURNAL OF ROAD AND BRIDGE ENGINEERING 6 (2011)

16. Seferovic, Enes; Nukic, Ivana Sandrk; Mrackovski, Dejan; et al., Shotcrete reinforcement with macrosynthetic fibres, GRADEVINAR 63 (2011)

## MEDICINSKI FAKULTET

1. Vlak, Tonko; Kastelan, Darko; Lozo, Petar; Aljinovic, Jure; Gradiser, Marina; Mijic, Sime; Nikolic, Tatjana; Miskic, Blazenka; Car, Dolores; Tajsic, Gordana; Dusek, Tina; Jajic, Zrinka; Grubisic, Frane; Poljicanin, Tamara; Bakula, Miro; Dzibur, Fedja; Strizak-Ujevic, Matilda; Kadojic, Mira; Radman, Maja; Vugrinec, Maja; Kuster, Zeljka; Pekez, Marijeta; Radovic, Endi; Labar, Ljubica; Crncevic-Orlic, Zeljka; Korsic, Mirko, Monthly or weekly bisphosphonate? Evaluation of satisfaction in patients with postmenopausal osteoporosis using OPSAT-Q questionnaire during the BOOSTER study in Croatia, CLINICAL RHEUMATOLOGY 30 (2011)
2. Jurkovic, Slaven; Zauhar, Gordana; Faj, Dario; Radojicic, Deni Smilovic; Svabic, Manda; Kasabasic, Mladen; Diklic, Ana, Dosimetric verification of compensated beams using radiographic film, RADIOLOGY AND ONCOLOGY 45 (2011)
3. Manojlovic, Dragan; Drenjancevic, Ines, Molecular mechanisms involved in pulmonary arterial hypertension development , PERIODICUM BIOLOGORUM 113 (2011)
4. Vizjak, Vedrana; Radic, Radivoje; Selthofer-Relatic, Kristina; Curkovic, Mario; (Istvanic, Tomislav; Buljubasic, Dunja, Plasma leptin in obesity related hypertension, PERIODICUM BIOLOGORUM 113 (2011)
5. Miskulin, Maja; Puntaric, Dinko; Miskulin, Ivan; Atalic, Bruno; Dijanic, Tomislav, Sexual behaviour of Croatian blood donors as a threat to the health of blood recipients, BLOOD TRANSFUSION 9 (2011)
6. Anton, Sanda; Tomanovic, Katarina; Mrdenovic, Slobodan; Katinic, Krizo; Gugic, Damir; Topic, Jelena, Influence of Psychical Trauma through Transgenerational Transfer on the Development of Traumatic Reactions in Women with Diagnosed Breast Cancer, COLLEGIUM ANTROPOLOGICUM 35(2011)
7. Selthofer-Relatic, Kristina; Radic, Radivoje; Vcev, Aleksandar; Steiner, Robert; Vizjak, Vedrana; Sram, Miroslav; Tripolski, Marija; Kosovic, Pasezada; Bosnjak, Ivica; Selthofer, Robert, Low Adiponectin Serum Level - Reduced Protective Effect on the Left Ventricular Wall Thickness, COLLEGIUM ANTROPOLOGICUM 35 (2011)
8. Istvanovic, Neven; Smalcelj, Anton; Filakovic, Pavao; Cerovec, Dusko; Plecko, Damir, Influence of In-Hospital Cardiac Rehabilitation on Psychological Status after Myocardial Infarction in Patients with D-type Personality, COLLEGIUM ANTROPOLOGICUM 35 (2011)
9. Ciraj-Bjelac, O; Beganovic, A; Faj, D; Ivanovic, S; Videnovic, I; Rehani, M, Status of radiation protection in interventional cardiology in four east european countries, RADIATION PROTECTION DOSIMETRY 147 (2011)

10. Ruzic, Alen; Miletic, Bojan; Ruzic, Tatjana; Persic, Viktor; Laskarin, Gordana, Regular Dog-Walking Improves Physical Capacity in Elderly Patients after Myocardial Infarction , COLLEGIUM ANTROPOLOGICUM 35 (2011)
11. Kraljik, Nikola; Gmajnic, Rudika; Pribic, Sanda; Milostic-Srb, Andrea; Rudan, Stjepan, Cervical Cancer in Osijek-Baranja County - Possibilities for Prevention, COLLEGIUM ANTROPOLOGICUM 35 (2011)
12. Jurkovic, Slaven; Diklic, Ana; Kasabasic, Mladen; Radojcic, Deni Smilovic; Svabic, Manda; Ivkovic, Ana; Faj, Dario, Survey of equipment quality control in radiotherapy centres in croatia: first results, ARHIV ZA HIGIJENU RADA I TOKSIKOLOGIJU 62 (2011)
13. Filakovic, Pavo; Eric, Anamarija Petek; Pozgain, Ivan, New strategies in the treatment of bipolar disorder, PSYCHIATRIA DANUBINA 23 (2011)
14. Sijanovic, Sinisa; Vidosavljevic, Domagoj; Sijanovic, Ivanka, Methotrexate in local treatment of cervical heterotopic pregnancy with successful perinatal outcome: Case report, JOURNAL OF OBSTETRICS AND GYNAECOLOGY RESEARCH 37 (2011)
15. Malovic, Mario; Pavic, Roman; Milosevic, Milan, Treatment of Trans-Scaphoid Perilunate Dislocations Using a Volar Approach With Scaphoid Osteosynthesis and Temporary Kirschner Wire Fixation, MILITARY MEDICINE 176 (2011)
16. Marcikic, Mladen; Vuksic, Zeljka; Dumencic, Boris; Matuzalem, Elizabeta; Cacinovic, Vesna, Double Suicide, AMERICAN JOURNAL OF FORENSIC MEDICINE AND PATHOLOGY 32 (2011)
17. Ciraj-Bjelac, Olivera; Beganovic, Adnan; Faj, Dario; Gershan, Vesna; Ivanovic, Sonja; Videnovic, Ivan R; Rehani, Madan M, Radiation protection of patients in diagnostic radiology: Status of practice in five Eastern-European countries, based on IAEA project, EUROPEAN JOURNAL OF RADIOLOGY 79 (2011)
18. Kunert, Mary Pat; Drenjancevic, Ines, 20-hydroxyeicosatetraenoic acid, endothelial dysfunction and hypertension, MEDICINSKI GLASNIK 8 (2011)
19. Orsic, Vlasta; Mihalj, Martina; Mogus, Mate; Mihalj, Hrvoje; Jakic, Marko; Hefter-Lauc, Marija; Marjanovic, Ksenija; Zibar, Lada, Impaired kidney function in rats six months after unilateral nephrectomy - an old story, a new perspective, MEDICINSKI GLASNIK 8 (2011)
20. Bradvica, Ivanka Stenc; Janculjak, Davor; Butkovic-Soldo, Silva; Vladetic, Mirjana, Cognitive dysfunction in idiopathic and vascular parkinsonism, MEDICINSKI GLASNIK 8 (2011)
21. Solic, Kresimir; Grgic, Kresimir; Ilakovac, Vesna; Zagar, Drago, Usage of insecure E-mail services among researchers with different scientific background, MEDICINSKI GLASNIK 8 (2011) [MEFOS ½, ETFOS ½]
22. Buljan, Krunoslav; Butkovic-Soldo, Silva; Janculjak, Davor; Gmajnic, Rudika; Poljakovic, Zdravka; Candrljic, Marija; Buljan, Vesna, Basilar artery occlusion treated conventionally with good outcome, MEDICINSKI GLASNIK 8 (2011)

23. Bacun, Tatjana; Kibel, Aleksandar; Pavic, Roman, Impressive results of teriparatide treatment of postgastrectomy osteoporosis, MEDICINSKI GLASNIK 8 (2011)
24. Eric, Mirela; Koprivic, Ivan; Vucinic, Nikola; Radic, Radivoje; Krivokuca, Dragan; I Leksan, Igor; Selthofer, Robert, Prevalence of the palmaris longus in relation to the hand dominance, SURGICAL AND RADIOLOGIC ANATOMY 33 (2011)
25. Ivic, Dubravka; Drenjancevic, Ivana Harsanji; Ivic, Josip; Sljivac, Kristina Kujavec; Drenjancevic, Domagoj, Thrombosis of the internal jugular vein after tympanoplasty caused by interaction of oral contraceptives and hereditary hypofibrinolysis, MEDICINSKI GLASNIK 8 (2011)
26. Culig, Josip; Leppee, Marcel; Boskovic, Jelena; Eric, Mirela, Determining the difference in medication compliance between the general patient population and patients receiving antihypertensive therapy: A case study, ARCHIVES OF PHARMACAL RESEARCH 34(2011)
27. Vuletic, Vladimira; Dikanovic, Marinko; Lezaic, Zeljka; Sapina, Lidija; Kadojic, Drago, Are we ready for intravenous thrombolysis in acute stroke treatment in our region?, ACTA CLINICA CROATICA 50 (2011)
28. Baraba, Ranka; Sruk, Ana; Sragalj, Ljiljana; Butkovic-Soldo, Silva; Bielen, Ivan, Electrophysiological findings in early guillain-barre syndrome, ACTA CLINICA CROATICA 50 (2011)
29. Lozic, Bernarda; Primorac, Dragan; Glavinic, Robert; Samija, Radenka Kuzmanic; Zemunik, Tatijana, Analysis of the C609T Polymorphism of NQ01 Gene in South Croatian Patients with Hematological Malignancies, COLLEGIUM ANTROPOLOGICUM 35 (2011)
30. Glasnovic, Marija; Bosnjak, Ivica); Sram, Miroslav; Vranjes, Zeljko; Vcev, Aleksandar; Dobrosevic, Blazenka; Petricevic, Jasminka Sincic; Horvatic, Elizabeta; Orkic, Zelimir; Tadzic, Refmir; Soldo, Anamarija; Sisljagic, Dina; Dinjar, Kristijan, Clinical Characteristics of Patients with Spondyloarthritides and HLA-B27 Positive Antigen, COLLEGIUM ANTROPOLOGICUM 35 (2011)
31. Gulam, Danijela; Dmitrovic, Branko; Kvolik, Slavica; Barbic, Jerko; Zibar, Lada; Kovacic, Damir, Integrity of Gut Mucosa during Anaesthesia in Major Abdominal Surgery, COLLEGIUM ANTROPOLOGICUM 35 (2011)
32. Filakovic, Pavo; Eric, Anamarija Petek; Mihanovic, Mate; Glavina, Trpimir; Molnar, Sven, Dementia and Legal Competency, COLLEGIUM ANTROPOLOGICUM 35 (2011)
33. Dikanovic, Marinko; Demarin, Vida; Kadojic, Dragutin; Kadojic, Mira; Trkanjec, Zlatko; Titlic, Marina; Bitunjac, Milan; Soldo-Butkovic, Silva, Effect of Elevated Catecholamine Levels on Cerebral Hemodynamics in Patients With Chronic Post-Traumatic Stress Disorder, COLLEGIUM ANTROPOLOGICUM 35 (2011)
34. Martinac, Miran; Ebling, Barbara; Dujsin, Margareta; Majstorovic, Karolina; Jurcic, Dragan; Bilic, Ante; Peric, Rosana Troskot, Clinical and Anorectal Motility Features in Chronically Constipated Children, COLLEGIUM ANTROPOLOGICUM 35 (2011)

35. Ebling, Barbara; Jurcic, Dragan; Gmajnic, Rudika; Vcev, Aleksandar; Bilic, Ante; (Pribic, Sanda, Anthropological, Demographic and Socioeconomic Characteristics of Irritable Bowel Syndrome, COLLEGIUM ANTROPOLOGICUM 35 (2011)
36. Krajina-Andricevic, Mirna; Zibar, Lada; Juras, Karin; Goll-Baric, Sanda; Barbic, Jerko, Ramipril and Risk of Hyperkalemia in Chronic Hemodialysis Patients, COLLEGIUM ANTROPOLOGICUM 35 (2011)
37. Primorac, Dragan; Marjanovic, Damir; Rudan, Pavao; Villems, Richard; Underhill, Peter A, Croatian genetic heritage: Y-chromosome story, CROATIAN MEDICAL JOURNAL 52 (2011)
38. Samija, Radenka Kuzmanic; Primorac, Dragan; Resic, Biserka; Lozic, Bernarda; Krzelj, Vjekoslav; Tomasovic, Maja; Stoini, Eugenio; Samanovic, Ljubo; Benzon, Benjamin; Pehlic, Marina; Boraska, Vesna; Zemunik, Tatijana, Association of NOS3 tag polymorphisms with hypoxic-ischemic encephalopathy, CROATIAN MEDICAL JOURNAL 52 (2011)
39. Barbaric, Monika; Miskovic, Katarina; Bojic, Mirza; Loncar, Mirela Baus; Smolcic-Bubalo, Asja; Debeljak, Zeljko; Medic-Saric, Marica, Chemical composition of the ethanolic propolis extracts and its effect on HeLa cells, JOURNAL OF ETHNOPHARMACOLOGY 135 (2011)
40. Kurbel, Sven, Donnan effect on chloride ion distribution as a determinant of body fluid composition that allows action potentials to spread via fast sodium channels, THEORETICAL BIOLOGY AND MEDICAL MODELLING 8 (2011)
41. Ciraj-Bjelac, Olivera; Faj, Dario; Stimac, Damir; Kosutic, Dusko; Arandjic, Danijela; Brkic, Hrvoje, Good reasons to implement quality assurance in nationwide breast cancer screening programs in Croatia and Serbia: Results from a pilot study, EUROPEAN JOURNAL OF RADIOLOGY 78 (2011)
42. Fajdic, Josip; Gotovac, Nikola; Glavic, Zeljko; Hrgovic, Zlatko; Jonat, Walter; Schem, Christian, Microdochectomy in the management of pathologic nipple discharge, ARCHIVES OF GYNECOLOGY AND OBSTETRICS 283 (2011)
43. Zibar, L; Wagner, J; Pavlinic, D; Galic, J; Pasini, J; Juras, K; Barbic, J, The Relationship Between Interferon-gamma Gene Polymorphism and Acute Kidney Allograft Rejection (2011)
44. Mihaljevic, Silvijo; Katicic Miroslava; Krznicaric Zeljko; Dmitrovic Branko; Karner Ivan; Stefanic Mario; Pinotic Ljerka; Samardzija Marina; Bensic Mirta, The Influence of the Different Morphological Changes on Gastric Mucosa on Somatostatin Cell Number in Antrum Mucosa and Serum Somatostatin, COLLEGIUM ANTROPOLOGICUM 35 (2011) [MEFOS ½, MATHOS ½]
45. Miskulin, Maja; Miskulin, Ivan; Milas, Josip; Antolovic-Pozgain, Arlen; Rudan, Stjepan; Vuksic, Melita, Prevalence and Risk Factors for Herpes Simplex Virus Type 2 Infections in East Croatia, COLLEGIUM ANTROPOLOGICUM 35 (2011)
46. Mueller-Vranjes, Andrijana; Puntaric, Dinko; Curzik, Darko; Sijanovic, Sinisa; Topolovec, Zlatko; Kasac, Zoran; Miskulin, Maja, Prevalence and Significance of Vaginal Group B Streptococcus Colonization in Pregnant Women from Osijek, Croatia, COLLEGIUM ANTROPOLOGICUM 35 (2011)

47. Lovric, Ivan; Splavski, Bruno; Jovanovic, Savo; Soldo, Ivan; Radanovic, Branko, Influence of Surgery onto the Appearance of the Hip Joint Periarticular Calcification in Patients with the Acetabular Fracture, COLLEGIUM ANTROPOLOGICUM 35 (2011)
48. Ruzic, Alen; Miletic, Bojan; Balen, Sanja; Persic, Viktor; Travica-Samsa, Dijana; Rakic, Marijana; Pehar-Pejcinovic, Vesna; Hajdin, Jelena; Vcev, Aleksandar; Laskarin, Gordana, Perforin Expression after Acute Myocardial Infarction - A Pilot Study, COLLEGIUM ANTROPOLOGICUM 35 (2011)
49. Pavic, Roman, Major Defect to the Brachial Artery Following Blunt Trauma - A Five Year Follow-up, COLLEGIUM ANTROPOLOGICUM 35 (2011)
50. Rapan, Sasa; Gulan, Gordan; Lovric, Ivan; Jovanovic, Savo, Spontaneous Regression of Intervertebral Disc Herniation - Case Reports, COLLEGIUM ANTROPOLOGICUM 35 (2011)
51. Leovic, Dinko; Zubcic, Vedran; Kopic, Mirta; Matijevic, Marko; Danic, Davorin, Posttraumatic subperiosteal orbital hematoma , JOURNAL OF CRANIO-MAXILLOFACIAL SURGERY 39 (2011)
52. Jukic, Marko; Kozine, Slavica; Kardum, Goran; Hogg, Rosemary; Kvolik, Slavica, Physicians overestimate patient's knowledge of the process of informed consent: a cross-sectional study, MEDICINSKI GLASNIK 8 (2011)
53. Sijanovic, Sinisa; Rubin, Mirjana; Topolovec, Zlatko; Vidosavljevic, Domagoj; Sijanovic, Ivanka, Placenta previa percreta with bladder invasion, MEDICINSKI GLASNIK 8 (2011)
54. Kruis, W.; Jonaitis, L.; Pokrotnieks, J.; Mikhailova, T. L.; Horynski, M.; Batovsky, M.; Lozynsky, Y. S.; Zakharash, Y.; Racz, I.; Kull, K.; Vcev, A.; Faszczyk, M.; Dilger, K.; Greinwald, R.; Mueller, R., Randomised clinical trial: a comparative dose-finding study of three arms of dual release mesalazine for maintaining remission in ulcerative colitis, ALIMENTARY PHARMACOLOGY & THERAPEUTICS 33 (2011)
55. Stolic, Ivana; Miskovic, Katarina; Piantanida, Ivo; Loncar, Mirela Baus; Glavas-Obrovac, Ljubica; Bajic, Miroslav, Synthesis, DNA/RNA affinity and antitumour activity of new aromatic diamidines linked by 3,4-ethylenedioxythiophene, EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY 46 (2011)
56. Pribic, Sanda; Trtica-Majnaric, Ljiljana; Gmajnic, Rudika; Lukic, Marko; Prlic, Nada, Colorectal cancer early detection program integrated in practice of family physicians, MEDICINSKI GLASNIK 8 (2011)
57. Curic, Goran; Glavas-Obrovac, Ljubica, PhD study and program: from ex-student to student "A LESSON LEARNED": A PhD course proposal, TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA 36 (2011)
58. Dobrovic, Branko; Curic, Goran; Petanjek, Zdravko; Heffer, Marija, Dendritic Morphology and Spine Density is not Altered in Motor Cortex and Dentate Granular



Cells in Mice Lacking the Ganglioside Biosynthetic Gene B4galnt1 - A Quantitative Golgi Cox Study, COLLEGIUM ANTROPOLOGICUM 35 (2011)

59. Labak, Irena; Snajder, Darija; Srzentic, Mirna Kostovic; Bensic, Mirta; Nist, Marina; Ilakovac, Vesna; Heffer, Marija, Writing and Drawing with Both Hands as Indicators of Hemispheric Dominance, COLLEGIUM ANTROPOLOGICUM 35 (2011) [BIOLOS 1/3, MEFOS 1/3, MATHOS 1/3]
60. Pavic, Roman; Pavic, Michele L.; Tvrdeic, Ante; Tot, Ozana K.; Heffer, Marija, Rat Sciatic Nerve Crush Injury and Recovery Tracked by Plantar Test and Immunohistochemistry Analysis, COLLEGIUM ANTROPOLOGICUM 35 (2011)
61. Viljetic, Barbara; Degmecic, Ivan Veceslav; Krajina, Vinko; Bogdanovic, Tomislav; Mojsovic-Cuic, Ana; Dikic, Domagoj; Vajn, Katarina; Schnaar, Ronald L.; Heffer, Marija, Distribution of Major Brain Gangliosides in Olfactory Tract of Frogs, COLLEGIUM ANTROPOLOGICUM 35 (2011) [MEFOS ½, BIOLOS ½]
62. Gaspar, Tina; Labor, Marina; Juric, Iva; Dumancic, Dijana; Ilakovac, Vesna; Heffer, Marija, Comparison of Emotion Recognition from Facial Expression and Music, COLLEGIUM ANTROPOLOGICUM 35 (2011)
63. Drenjancevic-Peric, I.; Jelakovic, B.; Lombard, J. H.; Kunert, M. P.; Kibel, A.; Gros, M., High-Salt Diet and Hypertension: Focus on the Renin-Angiotensin System, KIDNEY & BLOOD PRESSURE RESEARCH 34 (2011)
64. Stojkovic, Marijana Radic; Miljanic, Snezana; Miskovic, Katarina; Glavas-Obrovac, Ljubica; Piantanida, Ivo, The phenanthridine biguanides efficiently differentiate between dGdC, dAdT and rArU sequences by two independent, sensitive spectroscopic methods, MOLECULAR BIOSYSTEMS 7 (2011)
65. Primorac, Ljiljana; Flanjak, Ivana; Kenjeric, Daniela; Bubalo, Dragan; Topolnjak, Zoran, Specific Rotation and Carbohydrate Profile of Croatian Unifloral Honeys, CZECH JOURNAL OF FOOD SCIENCES 29 (2011) [MEFOS ½, PTFOS ½]
66. Gvozdic, Vlatka; Brana, Josip; Malatesti, Nela; Puntaric, Dinko; Vidosavljevic, Domagoj; Roland, Danijela, An Analysis of the Pollution Problem in Slavonski Brod (Eastern Croatia), COLLEGIUM ANTROPOLOGICUM 35 (2011) [KEMOS 1/3, FIZOS 1/3, MEFOS 1/3]
67. Gvozdic, Vlatka; Brana, Josip; Puntaric, Dinko; Vidosavljevic, Domagoj; Roland, Danijela, Changes in the lower drava river water quality parameters over 24 years, ARHIV ZA HIGIJENU RADA I TOKSIKOLOGIJU 62 (2011) [KEMOS 1/3, FIZOS 1/3, MEFOS 1/3]
68. Sarac, Helena; Hajnsek, Sanja; Basic, Silvio; Telarovic, Srdana; Markeljevic, Jasenka; Vukic, Miroslav; Rados, Marko; Bosnjak-Pasic, Marija; Zarkovic, Kamelija; Hof, Patrick R, Giant cavernoma of the skull and skeletal-extraskeletal angiomatosis associated with paraproteinemia. TRANSLATIONAL NEUROSCIENCE 2 (2011)

69. Jednacak, Hrvoje; Paladino, Josip; Miklic, Pavle; Mrak, Goran; Vukic, Miroslav; Stimac, Tihomir; Klarica, Martian, The Application of Ultrasound in Neuroendoscopic Procedures: First Results with the New Tool "NECUP-2", COLLEGIUM ANTROPOLOGICUM 35 (2011)
70. Vukic, Miroslav; Walters ,Beverly C; Radic, Ankica; Jurjevic, Ivana; Marasanov, Sergej M; Rozankovic, Madan; Jednacak, Hrvoje, Hydroxyapatite Ceramics in Multilevel Cervical Interbody Fusion - Is There a Role?, COLLEGIUM ANTROPOLOGICUM 35 (2011)
71. Roncevic, Mirjana Bjelos; Basic, Mladen; Cima, Ivan; Elabjer, Biljana Kuzmanovic; Bosnar, Damir; Miletic, Daliborka, Intraobserver and interobserver repeatability of ocular components measurement in cataract eyes using a new optical low coherence reflectometer, GRAEFES ARCHIVE FOR CLINICAL AND EXPERIMENTAL OPHTHALMOLOGY 249 (2011)
72. Roncevic, Mirjana Bjelos; Basic, Mladen; Cima, Ivan; Elabjer, Biljana Kuzmanovic; Bosnar, Damir; Miletic, Daliborka, Comparison of optical low-coherence reflectometry and applanation ultrasound biometry on intraocular lens power calculation, GRAEFES ARCHIVE FOR CLINICAL AND EXPERIMENTAL OPHTHALMOLOGY 249 (2011)
73. Ruljancic, Nedjeljka; Mihanovic, Mate; Cepelak, Ivana, Thrombocyte serotonin and serum cholesterol concentration in suicidal and non-suicidal depressed patients, PROGRESS IN NEURO-PSYCHOPHARMACOLOGY & BIOLOGICAL PSYCHIATRY 35 (2011)
74. Rasic, Zarko; Schwarz, Dragan; Adam, Visnja Neseck; Sever, Marko; Lojo, Nermin; Rasic, Domagoj; Matejic, Tomislav, Efficacy of Antimicrobial Triclosan-Coated Polyglactin 910 (Vicryl\* Plus) Suture for Closure of the Abdominal Wall after Colorectal Surgery, COLLEGIUM ANTROPOLOGICUM 35 ( 2011)
75. Krnic, A; Sucic, Z, Bipolar radiofrequency induced thermotherapy and 1064 nm Nd:Yag laser in endovenous occlusion of insufficient veins: short term follow up results, VASA-EUROPEAN JOURNAL OF VASCULAR MEDICINE 40 (2011)
76. Nienaber, Juhsien J C; Kuinkel, Batu K Sharma; Clarke-Pearson, Michael; Lamlertthon, Supaporn; Park, Lawrence; Rude, Thomas H; Barriere, Steve; Woods, Christopher W; ChuVivian H; Marin, Mercedes; Bukovski, Suzana, Methicillin-Susceptible Staphylococcus aureus Endocarditis Isolates Are Associated With Clonal Complex 30 Genotype and a Distinct Repertoire of Enterotoxins and Adhesins, JOURNAL OF INFECTIOUS DISEASES 204 (2011)
77. Bojic, Mirza; Debeljak, Zeljko; Tomicic, Maja; Medic-Saric, Marica; Tomic, Sinisa, Evaluation of antiaggregatory activity of flavonoid aglycone series, NUTRITION JOURNAL 10 (2011)
78. Kulis, Tomislav; Kolaric, Darko; Karlovic, Kresimir; Knezevic, Matej; Samardzic, Josip; Bitunjac, Milan; Antonini, Svetlana; Kastelan, Zeljko, The value of scrotal infrared digital thermography in detection of varicocele - initial results, PERIODICUM BIOLOGORUM 113 (2011)

79. Nikolic, Marko; Boban, Marko; Ljubicic, Neven; Supanc, Vladimir; Mirosevic, Gorana; Nikolic, Borka Pezo; Zjadic-Rotkvic, Vanja; Gacina, Petar; Mirkovic, Milan; Bekavac-Beslin, Miroslav, Position of Intra-gastric Balloons in Global Initiative for Obesity Treatment, COLLEGIUM ANTROPOLOGICUM 35 (2011)
80. Nikolic, Marko; Boban, Marko; Ljubicic, Neven; Supanc, Vladimir; Mirosevic, Gorana; Nikolic, Borka Pezo; Krpan, Ruzica; Posavec, Ljubica; Zjadic-Rotkvic, Vanja; Bekavac-Beslin, Miroslav, Morbidly Obese are Ghrelin and Leptin Hyporesponders with Lesser Intra-gastric Balloon Treatment Efficiency Ghrelin and Leptin Changes in Relation to Obesity Treatment, OBESITY SURGERY 21 (2011)
81. Nikolic, Marko; Mirosevic, Gorana; Ljubicic, Neven; Boban, Marko; Supanc, Vladimir; Nikolic, Borka Pezo; Zjadic-Rotkvic, Vanja; Bekavac-Beslin, Miroslav; Gacina, Petar, Obesity Treatment Using a Bioenterics Intra-gastric Balloon (BIB)-Preliminary Croatian Results, OBESITY SURGERY 8 (2011)
82. Boban, Marko; Ljubicic, Neven; Nikolic, Marko; Tomas, Davor; Zovak, Mario; Bekavac-Beslin, Miroslav; Belev, Borislav; Radic, Jasna; Milosevic, Milan, Lack of prognostic significance of connexin-43 labeling in a series of 46 gastrointestinal stromal tumors INTERNATIONAL JOURNAL OF BIOLOGICAL MARKERS 26 (2011)
83. Ljubicic, Neven; Biscanin, Alen; Nikolic, Marko; Supanc, Vladimir; Hrabar, Davor; Pavic, Tajana; Boban, Marko, A Randomized-controlled Trial of Endoscopic Treatment of Acute Esophageal Variceal Hemorrhage: N-Butyl-2-Cyanoacrylate Injection vs. Variceal Ligation HEPATO-GASTROENTEROLOGY 58 (2011)
84. Papes, Dino; Arslani, Nuhi; Rajkovic, Zoran; Altarac, Silvio; Kopjar, Miroslav, An Unusual Cause of Anuria and Hydronephrosis in a 12-Year-Old Girl, RENAL FAILURE 33 (2011)

## **POLJOPRIVREDNI FAKULTET**

1. Suzana, Kristek; Andrija, Kristek; Dragana, Kocevski; Antonija, Janković Kristek; Dražen, Jurišić, Influence of combine microbiological preparation on intensity of infection by *Rhizoctonia solani* and elements of sugar beet yield and quality, ZUCKERINDUSTRIE (2011) 137, 62, 102-109.
2. Irena, Jug; Danijel, Jug; Mirjana, Sabo; Bojan, Stipesevic; Miro, Stosic, Winter wheat yield and yield components as affected by soil tillage systems, TURKISH JOURNAL OF AGRICULTURE AND FORESTRY (2011) 35, 1, 1-7.
3. Vesna, Gantner; Pero, Mijić; Krešimir, Kuterovac; Drago, Solić; Ranko, Gantner, Temperature-humidity index values and their significance on the daily production of dairy cattle, MLJEKARSTVO (2011) 61, 1, 56-63.
4. Roberta, Sorić; Tatjana, Ledenčan; Zvonimir, Zdunić; Antun, Jambrović; Ivan, Brkić; Zdenko, Lončarić; Vlado, Kovačević; Domagoj, Šimić, Quantitative trait loci for metal accumulation in maize leaf, MAYDICA (2011) 56, 323-329.

5. Ildiko, Karsai; Gyula, Vida; Sonja, Petrovic; Elena, Petcu; Borislav, Kobiljski; Sonja, Ivanovska; Zoltan, Bedő; Otto, Veisz, Assessment of the spatial genotypic and phenotypic diversity present in the various winter wheat breeding programs in Southeast Europe, *EUPHYTICA* (2011) 186, 1, 139-1512
6. Tihomir, Cupic; Sonja, Maric; Svetislav, Popovic; Marijana, Tucak, Estimation of genotypic divergence in european collection of pisum species for yield related traits, *ROMANIAN AGRICULTURAL RESEARCH* (2011) 28, 87-94.
7. Marica, Medić-Šarić; Vesna, Rastija; Mirza, Bojić, Recent advances in the application of high performance liquid chromatography in the analysis of polyphenols in wine and propolis, *JOURNAL OF AOAC INTERNATIONAL* (2011) 94, 32–42.
8. Vesna, Rastija, An overview of innovations in analysis and beneficial health effects of wine polyphenols, *MINI-REVIEWS IN MEDICINAL CHEMISTRY* (2011) 11, 1256–1267.
9. Antonija, Tomić; Marija, Abramić; Jasminka, Špoljarić; Dejan, Agić; David, M. Smith; Sanja, Tomić, Human Dipeptidyl Peptidase III: Insights into Ligand Binding from a Combined Experimental and Computational Approach, *JOURNAL OF MOLECULAR RECOGNITION* (2011) 24, 804-814.
10. Jasminka, Špoljarić; Antonija, Tomić; Bojana, Vukelić, Branka, Salopek-Sondi; Dejan, Agić; Sanja, Tomić; Marija, Abramić, Human Dipeptidyl Peptidase III : the Role of Asn406 in Ligand Binding and Hydrolysis, *CROATICA CHEMICA ACTA* (2011) 84, 259-268.
11. Vlado, Kovačević; Domagoj, Šimić; Imre, Kadar; Desimir, Knežević; Zdenko, Lončarić, Genotype and liming effects on cadmium concentration in maize (*Zea mays L.*), *GENETIKA* (2011) 43, 3, 607-615.
12. Vladimir, Ivezić; Bal Ram, Singh; Asgeir R., Almas; Zdenko, Lončarić, Water extractable concentrations of Fe, Mn, Ni, Co, Mo, Pb and Cd under different land uses of Danube basin in Croatia, *ACTA AGRICULTURAE SCANDINAVICA, SECTION B – PLANT SOIL SCIENCE* (2011) 61, 8, 747-759.
13. Karolina, Vrandečić; Draženka, Jurković; Jasenka, Ćosić; Jelena, Poštić; Luca, Riccioni, First Report of Cane Blight on Blackberry Caused by *Diaporthe eres* in Croatia, *PLANT DISEASE* (2011) 95, 5, 612
14. Jorge, M. Santos; Karolina, Vrandečić; Jasenka, Ćosić; Tomislav, Duvnjak; Alan, J.L. Phillips, Resolving the *Diaporthe* species occurring on soybean in Croatia, *PERSOONIA* (2011) 27, 9–19

15. Christos, G. Athanassiou; Nickolas, G. Kavallieratos; Basileios, J. Vayias; Željko, Tomanović; Andjeljko, Petrović; Vlatka, Rozman; Cornel, Adler; Zlatko, Korunić; Dragan, Milovanović, Laboratory evaluation of diatomaceous earth deposits mined from several locations in central and southeastern Europe as potential protectants against coleopteran grain pests, CROP PROTECTION (2011) 30, 3, 329-339.
  
16. Marija, Ivezić; Emilija, Raspudić; Ivana, Majić; Jon J., Tollefson; Mirjana, Brmež; Ankica, Sarajlić; Andrija, Brkić, Root compensation of seven maize hybrids due to western corn rootworm (*Diabrotica virgifera virgifera* LeConte) larval injury, BULGARIAN JOURNAL OF AGRICULTURAL SCIENCE (2011) 17, 1, 107-115.
  
17. Nikica, Šprem; Marina, Piria; Hrvoje, Novosel; Tihomir, Florijančić; Boris, Antunović; Tomislav, Treer, Morphological variability of the Croatian wild boar population, ŠUMARSKI LIST (2011) 85, 11-12, 575-583.
  
18. Vlasta, Bartulović; Jakov, Dulcic; Ivan, Bogut, First record of the freshwater bream, *Abramis brama* in the river Mala Neretva, Adriatic drainage system of Croatia, CYBIUM (2011) 35, 2, 165-166.
  
19. Mislav, Đidara; Tihomir, Florijančić; Tomislav, Šperanda; Ivica, Bošković; Marcela, Šperanda, Serum biochemical values of mouflon (*Ovis orientalis musimon*) according to age and seks, European Journal of Wildlife Research (2011) 57, 2, 349-353.
  
20. Marija, Vučemilo; Draženka, Gutzmirtl; Marcela, Špernada; Bara, Vinković; Emilija, Frizon; Kristina, Matković; Hrvoje, Gutzmirtl, Effect of sows housing mode on stress indicators, Acta Veterinaria Beograd (2011) 61, 2-3, 151-161.

## PREHRAMBENO TEHNOLOŠKI FAKULTET

1. Habschied, Kristina; Sarkanj, Bojan; Klapac, Tomislav; Krstanovic, Vinko, Distribution of zearalenone in malted barley fractions dependent on *Fusarium graminearum* growing conditions FOOD CHEMISTRY 129 (2011)
2. Gaso-Sokac, Dajana; Kovac, Spomenka; Josic, Djuro, Use of proteomic methodology in optimization of processing and quality control of food of animal origin, FOOD TECHNOLOGY AND BIOTECHNOLOGY 49 (2011) [PTFOS ½, KEMOS ½]
3. Banjari, Ines; Kenjeric, Daniela; Mandic, Milena L.; Nedeljko, Martina, Is fad diet a quick fix? An observational study in a Croatian student group, PERIODICUM BIOLOGORUM 113 (2011)
4. Mandic, Zlatko; Piricki, Antonija Perl; Kenjeric, Daniela; Hanicar, Branka; Tanasic, Igor, Breast vs. bottle: differences in the growth of Croatian infants, MATERNAL AND CHILD NUTRITION 7 (2011)
5. Vidovic, Senka; Mujic, Ibrahim; Zekovic, Zoran; Lepojevic, Zika; Milosevic, Svetlana; Jokic, Stela, Extraction of fatty acids from *boletus edulis* by subcritical and supercritical carbon dioxide, JOURNAL OF THE AMERICAN OIL CHEMISTS SOCIETY 88 (2011)
6. Cacic, Milan; Molnar, Maja; Strelec, Ivica, Synthesis and biological evaluation of a novel series of 1,3-dicoumarinyl-5-aryl-2-pyrazolines, HETEROCYCLES 83 (2011)
7. Babic, I; Markov, K.; Kovacevic, Dragan; Trontel, A.; Slavica, A.; Dugum, J.; Cvek, D.;

- Svetec, I.K.; Posavec, S ; Frece, J., Identification and characterization of potential autochthonous starter cultures from a Croatian "brand" product "Slavonski kulen", MEAT SCIENCE 88 (2011)
8. Slacanac, Vedran; Hardi, Jovica; Lucan, Mirela; Kun, Sz; Havas, P.; Krstanovic, Vinko, Effect of honey addition on fermentation activity of lactobacillus casei lc-01 in cow's and goat's milk: a kinetic study, ACTA ALIMENTARIA 40 (2011)
  9. Jakobek, Lidija; Seruga, Marijan; Krivak, Petra, The influence of interactions among phenolic compounds on the antiradical activity of chokeberries (Aronia melanocarpa), INTERNATIONAL JOURNAL OF FOOD SCIENCES AND NUTRITION 62 (2011)
  10. Gaso-Sokac, Dajana; Kovac, Spomenka; Clifton, James; Josic, Djuro, Therapeutic plasma proteins - application of proteomics in process optimization, validation, and analysis of the final product, ELECTROPHORESIS 32 (2011) [PTFOS ½, KEMOS ½]
  11. Jokic, Stela; Svilovic, Sandra; Zekovic, Zoran; Vidovic, Senka; Velic, Darko, Solubility and kinetics of soybean oil and fatty acids in supercritical CO<sub>2</sub>, EUROPEAN JOURNAL OF LIPID SCIENCE AND TECHNOLOGY 113 (2011)
  12. Jokic, Stela; Svilovic, Sandra; Zekovic, Zoran; Vidovic, Senka, Mathematical modelling of soybean oil solubility in supercritical carbon dioxide, INTERNATIONAL JOURNAL OF FOOD SCIENCE AND TECHNOLOGY 46 (2011)
  13. Lepedus, Hrvoje; Gaca, Vlatka; Viljevac, Marija; Kovac, Spomenka; Fulgosi, Hrvoje; Simic, Domagoj; Jurkovic, Vlatka; Cesar, Vera, Changes in photosynthetic performance and antioxidative strategies during maturation of Norway maple (Acer platanoides L.) leaves, PLANT PHYSIOLOGY AND BIOCHEMISTRY 49 (2011) [PTFOS 1/3, KEMOS 1/3, BIOLOS 1/3]
  14. Velic, Natalija; Samardzic, Mirela; Sak-Bosnar, Milan; Santek, Bozidar, Voltammetric determination of dissolved nitrous oxide, INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE 6 (2011) [PTFOS ½, KEMOS ½]
  15. Lukic, Igor; Milicevic, Borislav; Banovic, Mara, Tomas, Srecko; Radeka, Sanja; Persuric, Dordano, Secondary aroma compounds in fresh grape marc distillates as a result of variety and corresponding production technology, FOOD TECHNOLOGY AND BIOTECHNOLOGY 49 (2011)
  16. Cacic, Milan; Molnar, Maja, Design, synthesis and characterization of some novel 3-coumarinyl-5-aryliden-1,3-thiazolidine-2,4-diones and their antioxidant activity, ZEITSCHRIFT FUR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES 66 (2011)
  17. Seruga, Marijan; Novak, Ivana; Jakobek, Lidija, Determination of polyphenols content and antioxidant activity of some red wines by differential pulse voltammetry, HPLC and spectrophotometric methods, FOOD CHEMISTRY 124 (2011)
  18. Primorac, Ljiljana; Flanjak, Ivana; Kenjeric, Daniela; Bubalo, Dragan; Topolnjak, Zoran, Specific rotation and carbohydrate profile of Croatian unifloral honeys, CZECH JOURNAL OF FOOD SCIENCES 29 (2011) [MEFOS ½, PTFOS ½]
  19. Sabo, Mirjana; Potocnjak, Mirjana; Banjari, Ines; Petrovic, Danijela, Pollen analysis of honeys from Varazdin County, Croatia, TURKISH JOURNAL OF BOTANY 35 (2011)
  20. Mujic, Ibrahim; Alibabic, Vildana; Jokic, Stela; Galijasevic, Emdzad; Jukic, Dilajla; Sekulja, Damir; Bajramovic, Melisa, Determination of pesticides, heavy metals, radioactive substances, and antibiotic residues in honey, POLISH JOURNAL OF ENVIRONMENTAL STUDIES 20 (2011)
  21. Kovacevic, Dragan; Mastanjevic, Kresimir; Kordic, Jasna, Cryoprotective effect of polydextrose on chicken surimi, CZECH JOURNAL OF FOOD SCIENCES 29 (2011)
  22. Cacic, Jasna; Tratnik, Miroslav; Kljusuric, Jasenka Gajdos; Cacic, Drazen; Kovacevic, Dragan, Wine with geographical indication - awareness of Croatian consumers, BRITISH FOOD JOURNAL 113 (2011)
  23. Jug, Irena; Jug, Danijel; Sabo, Mirjana; Stipesevic, Bojan; Stosic, Miro, Winter wheat yield and yield components as affected by soil tillage systems, TURKISH JOURNAL OF AGRICULTURE AND FORESTRY 35 (2011)
  24. Kovacevic, Dragan; Mastanjevic, Kresimir, Cryoprotective effect of trehalose and

- maltose on washed and frozen stored beef meat, CZECH JOURNAL OF FOOD SCIENCES 29 (2011)
25. Romić, Zeljka; Habuda-Stanić, Mirna; Kalajdžić, Brankica; Kules, Mirko, Arsenic distribution, concentration and speciation in groundwater of the Osijek area, eastern Croatia, APPLIED GEOCHEMISTRY 26 (2011)
  26. Kopjar, Mirela; Pilizota, Vlasta, Prevention of thermal degradation of anthocyanins in blackberry juice with addition of different sugars, CYTA-JOURNAL OF FOOD 9 (2011)
  27. Klarić, Daniela Amidžić; Klarić, Ilija; Velić, Darko; Dragojević, Irena Vedrina, Evaluation of mineral and heavy metal contents in Croatian blackberry wines, CZECH JOURNAL OF FOOD SCIENCES 29 (2011)
  28. Subarić, Drago; Babić, Jurislav; Lalić, Alojzije; Ackar, Durdica; Kopjar, Mirela, Isolation and characterisation of starch from different barley and oat varieties, CZECH JOURNAL OF FOOD SCIENCES 29 (2011)
  29. Lukić, Igor; Tomas, Srećko; Milicević, Borislav; Radeka, Sanja; Persurić, Dordano, Behaviour of volatile compounds during traditional alembic distillation of fermented Muscat blanc and Muskat ruža porečki grape marcs, JOURNAL OF THE INSTITUTE OF BREWING 117 (2011)

## **STROJARSKI FAKULTET**

1. Zadnik, Ziga; Čok, Vanja; Duhovnik, Jože; Karakasić, Mirko; Kljajin, Milan, Modularity solutions within a matrix of function and functionality mff, TEHNICKI VJESNIK-TECHNICAL GAZETTE, 18(2011)
2. Keran, Zdenka; Math, Miljenko; Grizelj, Branko, Experimental and numerical analysis of coining process using microforming approach, TEHNICKI VJESNIK-TECHNICAL GAZETTE, 18(2011)
3. Neslusan, Miroslav; Mrkvica, Ivan; Cep, Robert; Kozak, Dražan; Konderla, Ryszard, Deformations after heat treatment and their influence on cutting process, TEHNICKI VJESNIK-TECHNICAL GAZETTE, 18(2011)
4. Svalina, Ilija; Sabo, Kristian; Simunović, Goran, Machined surface quality prediction models based on moving least squares and moving least absolute deviations methods, INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, 57(2011) [SFSB ½, MATHOS ½]
5. Matesa, B.; Kozak, Dražan.; Stoić, Antun.; Samardžić, Ivan, The influence of heat treatment by annealing on clad plates residual stresses, METALURGIJA, 50(2011)
6. Samardžić, Ivan; Dunder, Marko; Pintarić, A, Possibilities of joining techniques application at railway lines joining and maintenance, METALURGIJA, 50(2011) [SFSB ½, ETFOS ½]

7. Younise, Bashir; Rakin, Marko; Medjo, Bojan; Gubelj, Nenad; Kozak, Dražan; Sedmak, Aleksandar, Numerical analysis of constraint effect on ductile tearing in strength mismatched welded CCT specimens using micromechanical approach, TEHNICKI VJESNIK-TECHNICAL GAZETTE , 18(2011)
8. Vlačić, Jovan; Đokić, Radomir; Kljajin, Milan; Karakašić, Mirko, Modelling and simulations of elevator dynamic behaviour, TEHNICKI VJESNIK-TECHNICAL GAZETTE, 18(2011)
9. Hloč, Sergej; Valicek, Jan; Kozak, Dražan, Preliminary results of experimental cutting of porcine bones by abrasive waterjet, TEHNICKI VJESNIK-TECHNICAL GAZETTE, 18(2011)
10. Micić, Jadranka; Pavić, Zlatko; Pečarić, Josip, Order among power operator means with condition on spectra, MATHEMATICAL INEQUALITIES & APPLICATIONS, 14(2011)
11. Samardžić, Ivan.; Matesa, B.; Kladaric, Ivica, The influence of heat treatment on properties of three-metal explosion joint: AlMg-Al-Steel, METALURGIJA, 50(2011)
12. Pavić, Zlatko.; Pečarić, J.; Perić, I., Integral, discrete and functional variants of Jensen's inequality, JOURNAL OF MATHEMATICAL INEQUALITIES, 5(2011)
13. Pavić, Zlatko.; Pečarić, J.; Vukelić, A., Exponential convexity and Jensen's inequality for divided differences, JOURNAL OF MATHEMATICAL INEQUALITIES, 5(2011)
14. Raos, Pero.; Tonković, Zlatko.; Serčer, M., Analysis and Prediction of Remaining Life Time of Damaged Polyethylene Gas Pipes, KGK-KAUTSCHUK GUMMI KUNSTSTOFFE, 64(2011)
15. Gacesa, Branka; Milošević-Mitić, Vesna; Maneski, Tasko; Kozak, Dražan; Sertić, Josip, Numerical and experimental strength analysis of fire-tube boiler construction, TEHNICKI VJESNIK-TECHNICAL GAZETTE, 18(2011)
16. Pilipović, Ana; Raos, Pero; Serčer, Mladen, Experimental testing of quality of polymer parts produced by laminated object manufacturing - lom, TEHNICKI VJESNIK-TECHNICAL GAZETTE, 18(2011)
17. Virag, Zdravko; Živić, Marija; Krizmanić, Severino, Cooling of a sphere by natural convection - The applicability of the lumped capacitance method, INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, 54(2011)
18. Yasniy, Oleh; Vuherer, Tomaz; Pyndus, Yuriy; Sorochak, Andriy; Samardžić, Ivan, In-service damage of railway steel axles, TEHNICKI VJESNIK-TECHNICAL GAZETTE, 18(2011)



19. Micic, Jadranka; Pavic, Zlatko; Pecaric, Josip, Jensen's inequality for operators without operator convexity, LINEAR ALGEBRA AND ITS APPLICATIONS, 434(2011)
20. Micic, Jadranka; Pavic, Zlatko; Pecaric, Josip, Extension of Jensen's Inequality for Operators without Operator Convexity, ABSTRACT AND APPLIED ANALYSIS, (2011) Article Number: 358981
21. Galovic, Antun; Zivic, Marija; Krizmanic, Severino, Entropy analysis of adiabatic mixing of three streams of different ideal gases at equal pressures and temperatures , INTERNATIONAL JOURNAL OF EXERGY, 8(2011)
22. Vojvodic, Denis; Kozak, Drazan; Sertic, Josip; Mehulic, Ketij; Celebic, Asja; Komar, Dragutin, Influence of Depth Alignment of E-Glass Fiber Reinforcements on Dental Base Polymer Flexural Strength, MATERIALS TESTING , 53(2011)
23. Gigovic-Gekic, A.; Oruc, M.; Vitez, Ivan, The effect of solution annealing on properties of steel nitronic 60, METALURGIJA, 50(2011)
24. Pecin, Ivan; Cvoriscec, Dubravka; Miletic-Medved, Marica; Dika, Zivka; Cvitkovic, Ante; Vitale, Ksenija; Leko, Ninoslav; Novakovic, Dinko; Sertic, Jadranka; Kos, Jelena; Jelakovic, Bojan, Angiotensin-Converting Enzyme Gene Polymorphism and N-Acetyl-beta-D-Glucosaminidase Excretion in Endemic Nephropathy, NEPHRON CLINICAL PRACTICE, 119(2011)
25. Monkova, Katarina; Monka, Peter; Vegnerova Petra; Čep Robert; Muellerova, Jana; Bražina David; Duspara Miroslav, Factor analysis of the abrasive waterjet factors affecting the surface roughness of titanium. TEHNICKI VJESNIK-TECHNICAL GAZETTE, 18(2011).
26. Legutko, S.; P. Kluk; Antun. Stoic, Research of the surface roughness created during pull broaching process. Metalurgija, 50(2011)
27. Alar, Vesna; Esih, Ivan; Budić, Ivan, Effects of Thermal Oxidation and Subsequent Pickling on Pitting Geometry of Austenitic Stainless Steels in Chloride Solutions. MATERIALS TESTING, 53(2011)

## **ODJEL ZA BIOLOGIJU**

1. Antunovic, Zvonko; Novoselec, Josip; Sauerwein, Helga; Speranda, Marcela; Vegara, Mensur; Pavic, Valentina, Blood Metabolic Profile and some of Hormones Concentration in Ewes During Different Physiological Status, BULGARIAN JOURNAL OF AGRICULTURAL SCIENCE 17 (2011)
2. Antunovic, Zvonko; Novoselec, Josip; Speranda, Marcela; Vegara, Mensur; Pavic, Valentina; Mioc, Boro; Djidara, Mislav, Changes in biochemical and hematological parameters and metabolic hormones in Tsigai ewes blood in the first third of lactation, ARCHIV FUR TIERZUCHT-ARCHIVES OF ANIMAL BREEDING 54 (2011)

3. Cerba, Dubravka; Mihaljevic, Zlatko; Vidakovic, Jasna, Colonisation trends, community and trophic structure of chironomid larvae (Chironomidae: Diptera) in a temporal phytoplankton assemblage, *FUNDAMENTAL AND APPLIED LIMNOLOGY* 179 (2011)
4. Krcmar, Stjepan, Preliminary list of horse flies (Diptera, Tabanidae) of Serbia, *ZOOKEYS* 117 (2011)
5. Krcmar, Stjepan; Hackenberger Kutuzovic, Davorka; Hackenberger Kutuzovic, Branimir, Key to the horse flies fauna of Croatia (Diptera, Tabanidae), *PERIODICUM BIOLOGORUM* 113 (2011)
6. Krcmar, Stjepan; Lajos, Petar, Response of Horse Flies to Aged Equine urine (Diptera: Tabanidae), *ENTOMOLOGIA GENERALIS* 33 (2011)
7. Krcmar, Stjepan; Rupnik Poklukar, Darja, Comparison of the Efficiency of three types of Canopy Traps on the Collection of Horse flies (Diptera: Tabanidae), *ENTOMOLOGIA GENERALIS* 33 (2011)
8. Krstin, Ljiljana; Novak-Agbaba, Sanja; Rigling, Daniel; Curkovic-Perica, Mirna, Diversity of vegetative compatibility types and mating types of *Cryphonectria parasitica* in Slovenia and occurrence of associated *Cryphonectria hypovirus 1*, *PLANT PATHOLOGY* 60 (2011)
9. Labak, Irena; Snajder, Darija; Kostovic Srzentic, Mirna; Bensic, Mirta; Nist, Marina; Ilakovic, Vesna; Heffer-Lauc, Marija, Writing and Drawing with Both Hands as Indicators of Hemispheric Dominance, *COLLEGIUM ANTROPOLOGICUM* 35 (2011) [BIOS 1/3, MEFOS 1/3, MATHOS 1/3]
10. Lepedus, Hrvoje; Begovic, Lidija; Mlinaric, Selma; Simic, Domagoj; Stolfa, Ivna; Paradikovic, Nada; Uzarevic, Zvonimir; Jurkovic, Vlatka; Cesar, Vera, Physiology and biochemistry of leaves bleaching in prematurely aging maple (*Acer saccharinum* L.) trees: II, Functional and molecular adjustment of PSII, *ACTA BOTANICA CROATICA* 70 (2011)
11. Lepedus, Hrvoje; Gaca, Vlatka; Viljevac, Marija; Kovac, Spomenka; Fulgosi, Hrvoje; Simic, Domagoj; Jurkovic, Vlatka; Cesar, Vera, Changes in photosynthetic performance and antioxidative strategies during the maturation of Norway maple (*Acer platanoides* L.) leaves, *PLANT PHYSIOLOGY AND BIOCHEMISTRY* 49 (2011) [PTFOS 1/3, KEMOS 1/3, BIOS 1/3]
12. Lovakovic, Tomislava; Poljak-Blazi, Marija; Duburs, Gunars; et al, Growth Modulation of Human Cells in vitro by Mild Oxidative Stress and 1,4-Dihydropyridine Derivative Antioxidants, *COLLEGIUM ANTROPOLOGICUM* 35 (2011)
13. Mihaljevic, Melita; Stevic, Filip, Cyanobacterial blooms in a temperate river-floodplain ecosystem: the importance of hydrological extremes, *AQUATIC ECOLOGY* 45 (2011)
14. Persic, Vesna; Horvatic, Janja, Spatial distribution of nutrient limitation in the Danube River floodplain in relation to hydrological connectivity, *WETLANDS* 31 (2011)
15. Romanovic, Milena; Merdic, Enrih, Investigation of mosquito larvae (Diptera, Culicidae) in the coastal area of Dalmatia, Croatia, *PERIODICUM BIOLOGORUM* 113 (2011)
16. Sudaric Bogojevic, Mirta; Merdic, Enrih; Bogdanovic, Tomislav, The flight distances of floodwater mosquitoes (*Aedes vexans*, *Ochlerotatus sticticus* and *Ochlerotatus caspius*) in Osijek, Eastern Croatia, *BIOLOGIA* 66 (2011)
17. Spoljaric, Dubravka; Cipak, Ana; Horvatic, Janja; Andrisic, Luka; Waeg, Georg; Zarkovic, Neven; Jaganjac, Morana, Endogenous 4-hydroxy-2-nonenal in microalga *Chlorella kessleri* acts as a bioactive indicator of pollution with common herbicides and growth regulating factor of hormesis, *AQUATIC TOXICOLOGY* 105 (2011)
18. Uzarevic, Zvonimir; Stolfa, Ivna; Paradikovic, Nada; Cesar, Vera; Lepedus, Hrvoje, Physiology and biochemistry of leaves bleaching in prematurely aging maple (*Acer saccharinum* L.) trees: I, Hydrogen peroxide level, antioxidative responses and photosynthetic pigments, *ACTA BOTANICA CROATICA* 70 (2011)
19. Velki, Mirna; Kodrić, Dalibor; Večeřa, Josef; Hackenberger Kutuzovic, Branimir; Socha, Radomír, Oxidative stress elicited by insecticides: A role for the adipokinetic hormone, *GENERAL AND COMPARATIVE ENDOCRINOLOGY* 172 (2011)

20. Vidakovic, Jasna; Palijan, Goran; Cerba, Dubravka, Relationship between nematode community and biomass and composition of periphyton developing on artificial substrates in floodplain lake, POLISH JOURNAL OF ECOLOGY 59 (2011)
21. Viljetic, Barbara; Degmecic, Ivan Veceslav; Krajina, Vinko; Bogdanovic, Tomislav; Mojsovic, Ana; Dikic, Domagoj; Vajn, Katarina; Schnaar, Ronald L.; Heffer-Lauc, Marija, Distribution of Major Brain Gangliosides in Olfactory Tract of Frogs, COLLEGIUM ANTROPOLOGICUM 35 (2011) [MEFOS ½, BIOLOS ½]

## ODJEL ZA FIZIKU

1. Ivkov, J.; Popcevic, P.; Stanic, D.; et al., Anisotropic Hall effect in Al<sub>13</sub>Tm<sub>4</sub> approximants, PHILOSOPHICAL MAGAZINE91(2011).
2. Smontara, A.; Popcevic, P.; Stanic, D.; et al., Anisotropic transport properties of the Al<sub>13</sub>Tm<sub>4</sub> and T-Al-Mn-Fe complex metallic alloys, PHILOSOPHICAL MAGAZINE91(2011).
3. Lukacevic, I., High-pressure lattice dynamics and thermodynamics in BaO, PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS248(2011).
4. Ristic, R.; Babic, E.; Pajic, D.; et al., Mechanical and magnetic properties of Cu<sub>55</sub>Hf<sub>45-x</sub>Ti<sub>x</sub> metallic glasses, SOLID STATE COMMUNICATIONS151(2011).
5. Ristic, R.; Babic, E.; Stubicar, M.; et al., Simple correlation between mechanical and thermal properties in TE-TL (TE = Ti,Zr,Hf;TL = Ni,Cu) amorphous alloys, JOURNAL OF NON-CRYSTALLINE SOLID 357(2011).
6. Lukacevic, Igor, High pressure lattice dynamics, dielectric and thermodynamic properties of SrO, PHYSICA B-CONDENSED MATTER406(2011).
7. Gvozdic, Vlatka; Kovac-Andric, Elvira; Brana, Josip, Influence of Meteorological Factors NO<sub>2</sub>, SO<sub>2</sub>, CO and PM<sub>10</sub> on the Concentration of O<sub>3</sub> in the Urban Atmosphere of Eastern Croatia,ENVIRONMENTAL MODELING & ASSESSMENT 16(2011). [KEMOS ½, FIZOS ½]
8. Gvozdic, Vlatka; Brana, Josip; Puntaric, Dinko; et al., CHANGES IN THE LOWER DRAVA RIVER WATER QUALITY PARAMETERS OVER 24YEARS, ARHIV ZA HIGIJENU RADA I TOKSIKOLOGIJU62(2011). [KEMOS 1/3, FIZOS 1/3, MEFOS 1/3]
9. Gvozdic, Vlatka; Brana, Josip; Malatesti, Nela; et al., An Analysis of the Pollution Problem in SlavonskiBrod (Eastern Croatia), COLLEGIUM ANTROPOLOGICUM35(2011). [KEMOS 1/3, FIZOS 1/3, MEFOS 1/3]
10. Popcevic, Petar; Stanic, Denis; Bihar, Zeljko; et al., Heat Transport in Aluminum-Based Quasicrystalsi-AIPdMn, i-AICuFe, and d-AICoNi, ISRAEL JOURNAL OF CHEMISTRY51(2011).

## ODJEL ZA KEMIJU

1. Gvozdic, Vlatka; Brana, Josip; Malatesti, Nela; Puntaric, Dinko; Vidosavljevic, Domagoj; Roland, Danijela, An analysis of the pollution problem in Slavonski Brod (Eastern Croatia),COLLEGIUM ANTROPOLOGICUM 35 (2011) [KEMOS 1/3, FIZOS 1/3, MEFOS

1/3]

2. Blagus, Anita; Kaitner, Branko, 2-[[4-[[2-Hydroxyphenyl)phenyl)methylidene]amino}phenyl) imino](phenyl)methyl}phenol, ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE 67 (2011)
3. Gvozdic, Vlatka; Brana, Josip; Puntaric, Dinko; Vidosavljevic, Domagoj; Roland, Danijela , Changes in the lower Drava river water quality parameters over 24 years, ARHIV ZA HIGIJENU RADA I TOKSIKOLOGIJU 62 (2011) [KEMOS 1/3, FIZOS 1/3, MEFOS 1/3]
4. Blagus, Anita; Kaitner, Branko, 1-[[4-[[2-Oxo-1,2-dihydronaphthalen-1-ylidene)methyl] amino}anilino)methylidene]naphthalen-2(1H)-one dihydrate, ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE 67 (2011)
5. Blagus, Anita; Kaitner, Branko, 1,1 '-[m-Phenylenebis(nitrilomethanylylidene)]dinaphthalen-2-ol-1,1 '-[m-phenylenebis(iminomethanylylidene)]dinaphthalen-2(1H)-one (0.58/0.42), ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE 67 (2011)
6. Gaso-Sokac, Dajana; Kovac, Spomenka; Josic, Djuro, Use of proteomic methodology in optimization of processing and quality control of food of animal origin, FOOD TECHNOLOGY AND BIOTECHNOLOGY 49 (2011) [PTFOS ½ , KEMOS ½ ]
7. Blagus, Anita; Kaitner, Branko, 2,2 '-[1,5-Bis(4-aminophenyl)-1,5-dihydrobenzo[1,2-d;4,5-d']imidazole-2,6-diyl]diphenol, ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE 67 (2011)
8. Gvozdic, Vlatka; Kovac-Andric, Elvira; Brana, Josip, Influence of meteorological factors NO<sub>2</sub>, SO<sub>2</sub>, CO and pm<sub>10</sub> on the concentration of O<sub>3</sub> in the urban atmosphere of eastern Croatia, ENVIRONMENTAL MODELING & ASSESSMENT 16 (2011) [KEMOS ½, FIZOS ½]
9. Blagus, Anita; Kaitner, Branko, 2-[1-(3-Aminophenylimino)ethyl]phenol, ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE 67 (2011)
10. Gaso-Sokac, Dajana; Kovac, Spomenka; Clifton, James; Josic, Djuro, Therapeutic plasma proteins - application of proteomics in process optimization, validation, and analysis of the final product, ELECTROPHORESIS 32 (2011) [PTFOS ½ , KEMOS ½ ]
11. Madunic-Cacic, Dubravka; Sak-Bosnar, Milan, Investigation of homologous tallow fatty alcohols and oleyl alcohol ethoxylates using a potentiometric surfactant sensor, INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE 6 (2011)
12. Sak-Bosnar, Milan; Madunic-Cacic, Dubravka; Sakac, Nikola; Samardzic, Mirela; Kurtanjek, Zelimir, Estimation and optimization of potentiometric sensor response parameters from surfactant titration data using Microsoft Excel Solver and Mathematica, SENSOR LETTERS 9 (2011)
13. Lepedus, Hrvoje; Gaca, Vlatka; Viljevac, Marija; Kovac, Spomenka; Fulgosi, Hrvoje; Simic, Domagoj; Jurkovic, Vlatka; Cesar, Vera, Changes in photosynthetic performance and antioxidative strategies during maturation of Norway maple (*Acer platanoides* L.) leaves, PLANT PHYSIOLOGY AND BIOCHEMISTRY 49 (2011) [PTFOS 1/3 , KEMOS 1/3, BIOLOS 1/3]

14. Medvidovic-Kosanovic, Martina; Samardzic, Mirela; Malatesti, Nela; Sak-Bosnar, Milan, Electroanalytical characterization of a copper(ii)-rutin complex, INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE 6 (2011)
15. Velic, Natalija; Samardzic, Mirela; Sak-Bosnar, Milan; Santek, Bozidar, Voltammetric determination of dissolved nitrous oxide, INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE 6 (2011) [PTFOS  $\frac{1}{2}$ , KEMOS  $\frac{1}{2}$ ]
16. Sak-Bosnar, Milan; Samardzic, Mirela; Galovic, Olivera, The influence of ethoxylated nonionic surfactants on the potentiometric determination of anionic surfactants, INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE 6 (2011)
17. Sakac, Nikola; Sak-Bosnar, Milan; Horvat, Marija; Madunic-Cacic, Dubravka; Szechenyi, Aleksandar; Kovacs, Barna, A new potentiometric sensor for the determination of alpha-amylase activity, TALANTA 83 (2011)
18. Samardzic, Mirela; Sak-Bosnar, Milan; Madunic-Cacic, Dubravka, Simultaneous potentiometric determination of cationic and ethoxylated nonionic surfactants in liquid cleaners and disinfectants, TALANTA 83 (2011)
19. Blagus, Anita; Kaitner, Branko, Two Ketimine Polymorphs of 2-{1-[(2-Aminophenyl)imino]ethyl} phenol, ACTA CHIMICA SLOVENICA 58 (2011)
20. Madunic-Cacic, Dubravka; Sak-Bosnar, Milan; Matesic-Puac, Ruzica, A new anionic surfactant-sensitive potentiometric sensor with a highly lipophilic electroactive material, INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE 6 (2011)
21. Smith, Karen; Malatesti, Nela; Cauchon, Nicole; Hunting, Darel; Lecomte, Roger, Mono- and tri-cationic porphyrin-monoclonal antibody conjugates: photodynamic activity and mechanism of action, IMMUNOLOGY 132 (2011)

## **ODJEL ZA MATEMATIKU**

1. Labak, Irena; Snajder, Darija; Srzentic, Mirna Kostovic; et al., Writing and Drawing with Both Hands as Indicators of Hemispheric Dominance, COLLEGIUM ANTROPOLOGICUM 35 (2011) [BIOLOS 1/3, MEFOS 1/3, MATHOS 1/3]
2. Tomljanovic, Zoran; Truhar, Ninoslav; Veselic, Kresimir, Optimizing a damped system - a case study, INTERNATIONAL JOURNAL OF COMPUTER MATHEMATICS 88 (2011)
3. Avram, F.; Leonenko, N. N.; Suvak, N., Parameter estimation for Fisher-Snedecor diffusion, STATISTICS 45 (2011)
4. Li, Ren-Cang; Nakatsukasa, Yuji; Truhar, Ninoslav; et al., Perturbation of partitioned hermitian definite generalized eigenvalue problems, SIAM JOURNAL ON MATRIX ANALYSIS AND APPLICATIONS 32 (2011)

5. Jukic, Ljerka; Matic, Ivan, The role of competitions in computer science curriculum, CROATIAN JOURNAL OF EDUCATION-HRVATSKI CASOPIS ZA ODGOJ I OBRAZOVANJE 13 (2011)
6. Benner, Peter; Tomljanovic, Zoran; Truhar, Ninoslav, Dimension reduction for damping optimization in linear vibrating systems, ZAMM-ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND MECHANIK 91 (2011)
7. Sabo, Kristian; Scitovski, Rudolf; Vazler, Ivan; et al., Mathematical models of natural gas consumption , ENERGY CONVERSION AND MANAGEMENT 52 (2011) [MATHOS ½ , EFOS ½ ]
8. Kolar-Begovic, Zdenka, A short direct characterization of GS-quasigroups, CZECHOSLOVAK MATHEMATICAL JOURNAL 61 (2011) [MATHOS ½ , UFOS ½ ]
9. Mihaljevic, Silvio; Katicic, Miroslava; Krznic, Zeljko; et al., The Influence of the Different Morphological Changes on Gastric Mucosa on Somatostatin Cell Number in Antrum Mucosa and Serum Somatostatin COLLEGIUM ANTROPOLOGICUM35 (2011) [MEFOS ½, MATHOS ½]
10. Baricz, Arpad; Jankov, Dragana; Pogany, Tibor K., Integral representation of first kind Kapteyn series, JOURNAL OF MATHEMATICAL PHYSICS 52 (2011)
11. Jukic, Dragan, Total least squares fitting Bass diffusion model, MATHEMATICAL AND COMPUTER MODELLING53 (2011)
12. Antonic, Nenad; Burazin, Kresimir, Boundary operator from matrix field formulation of boundary conditions for Friedrichs systems, JOURNAL OF DIFFERENTIAL EQUATIONS250 (2011)
13. Sabo, Kristian; Scitovski, Rudolf; Vazler, Ivan, Searching for a Best Least Absolute Deviations Solution of an Overdetermined System of Linear Equations Motivated by Searching for a Best Least Absolute Deviations Hyperplane on the Basis of Given Dana, JOURNAL OF OPTIMIZATION THEORY AND APPLICATIONS 149 (2011)
14. Bokun, Mirela Jukic, On the rank of elliptic curves over  $Q(\sqrt{-3})$  with torsion groups  $Z/3Z \times Z/3Z$  and  $Z/3Z \times Z/6Z$ , PROCEEDINGS OF THE JAPAN ACADEMY SERIES A-MATHEMATICAL SCIENCES87 (2011)
15. Matic, Ivan, Strongly positive representations of metaplectic groups, JOURNAL OF ALGEBRA 334 (2011)
16. Elbassioni, Khaled; Krohn, Erik; Matijevic, Domagoj; et al., Improved Approximations for Guarding 1.5-Dimensional Terrains, ALGORITHMICA 60 (2011)
17. Beier, Rene; Funke, Stefan; Matijevic, Domagoj; et al, Energy-Efficient Paths in Radio Networks, ALGORITHMICA 61 (2011)
18. Srivastava, H. M.; Jankov, Dragana; Pogany, Tibor K.; et al., Two-sided inequalities for the extended Hurwitz-Lerch Zeta function, COMPUTERS & MATHEMATICS WITH APPLICATIONS 62 (2011)

19. Jankov, Dragana; Pogany, Tibor; Saxena, Ram K., An extended general Hurwitz-Lerch zeta function as a Mathieu ( $a$ ,  $\lambda$ )-series, APPLIED MATHEMATICS LETTERS 24 (2011)
20. Jankov, Dragana; Pogany, Tibor K.; Sueli, Endre, On the coefficients of Neumann series of Bessel functions, JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS 380 (2011)
21. Svalina, Ilija; Sabo, Kristian; Simunovic, Goran, Machined surface quality prediction models based on moving least squares and moving least absolute deviations methods, INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY 57 (2011) [SFSB  $\frac{1}{2}$ , MATHOS  $\frac{1}{2}$ ]
22. Volenec, Vladimir; Kolar-Begovic, Zdenka; Kolar-Super, Ruzica, ARH – quasigroups, MATHEMATICAL COMMUNICATIONS 16 (2011) [MATHOS  $\frac{1}{2}$ , UFOS  $\frac{1}{2}$ ]

## UČITELJSKI FAKULTET

1. Volenec, Vladimir; Kolar-Begovic, Zdenka; Kolar-Super, Ruzica, ARH - quasi groups , MATHEMATICAL COMMUNICATIONS 16(2011)(PTBB) [MATHOS  $\frac{1}{2}$  , UFOS  $\frac{1}{2}$  ]
2. Uzarevic, Zvonimir; Stolfa, Ivna; Paradikovic, Nada; et al. Physiology and biochemistry of leaf bleaching in prematurely aging maple (*Acer saccharinum* L.) trees: I. Hydrogen peroxide level, antioxidative responses and photosynthetic pigments, ACTA BOTANICA CROATICA 70(2011)(PTBB)
3. Kolar-Begovic, Zdenka, A short direct characterization of GS-quasigroups, CZECHOSLOVAK MATHEMATICAL JOURNAL 61(2011)(PTBB) [MATHOS  $\frac{1}{2}$  , UFOS  $\frac{1}{2}$  ]