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| **Poster number**  **Poster section C**  **Time: Thursday morning (09:20-10:20)** | **authors** | **topic** |

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| 1036 | **Shokooh Bahrami\*, Abdollah Yari**  *Faculty of Chemistry, Lorestan University 68137-17133.Khorramabad-Iran* | Voltammetric determination of metformin in aqueous solution by Cu(OH)2-Ag-MWCNTs nanocomposite modified electrode |
| 1001 | **Elahe Dehnari a, Davood Taherinia\***  *a Chemistry Department, Sharif University of Technology, Tehran11155-9516, Iran* | Investigation of Changing the Concentration Ratio of Non-Electroactive to Electroactive Species in Electron Transfer Kinetics SAMs |
| 1052 | **Sarina Manania, M. Behpoura**  *a Department of analytical chemistry, Faculty of chemistry, Kashan university, Kashan, Iran* | Green Synthesis of Carbon Nanocomposites Based on Sr/Fe Structures to evaluate the performance of Hydrogen Storage by Electrochemical Method |
| 1077 | **Paria Khajavi a, Negar Heidari a, Sharmin Kharazi b, Yusef Erfani c, Parviz Norouzi\*a**  *a Center of Excellence in Electrochemistry, Faculty of Chemistry, University of Tehran, Tehran, Iran*  *b Department of Medical Nanotechnology, School of Advanced Technologies in Medicine, Tehran University of Medical Sciences, Tehran, Iran.*  *c Department of Laboratory Sciences, School of Allied Medical Sciences, Tehran University of Medical Sciences, Tehran, Iran* | A Novel Label-Free electrochemical Aptasensor for Highly Sensitive Detection of Acinetobacter baumannii Using Fast Fourier Transform Square Wave Voltammetry |
| 1120 | **Armin Sadeghiniaa, Davood Nematollahia,b\***  *aFaculty of Chemistry and Petroleum Sciences, Bu-Ali Sina University, Hamedan, Iran*  *bPlanet Chemistry Research Center, Bu-Ali Sina University, Hamedan, Iran.*  \*E-mail: a.sadeghinia@che.basu.ac.ir | Application of rapid techniques in the study of electrochemical mechanisms |
| 1112 | **Ghasem Abollahia, Mohammad Hosein Mashhadizadeh Ardakanib\***  *aDepartment of Chemistry Faculty of Kharazmi University, Tehran, Iran*  *bDepartment of Chemistry, Faculty of Kharazmi, University, Tehran, Iran* | Designing a non-enzymatic photoelectrochemical sensor for glucose by using Fe-doped NiS2 |
| 1121 | **Faezeh Farrokhghate,a Homa Ahmadi,a Sana Khosrozadeh Sarijalo,a Mohammad Kazemzadeh,a Pouya Abedi,a Khalil Farhadia\***  *aDepartment of Analytical Chemistry, Faculty of Chemistry, Urmia University, Urmia, Iran* | Development and Characterization of a Novel Fluoride Ion Selective Electrode Utilizing Leonardite as a Functional Matrix |
| 1124 | **Mir Hasan Seyyedia, Vali Alimirzalooa\*, Hurieh Mohammadzadehb, Robabeh Jafarib**  *aDepartment of mechanical engineering, Faculty of Technology and Engineering, Urmia University, Iran*  *bDepartment of material engineering, Faculty of Technology and Engineering, Urmia University, Iran* | Enhanced Corrosion Resistance of Mg AM60 Alloy via Modified CECAP Process for Biomedical Applications |
| 1125 | **Mehrdad Abbasi Mahmoudabada, Ali Rasi Mahmoudia, Karim Asadpour Zeynalia\***  *aDepartment of Analytical Chemistry, Faculty of Chemistry, University of Tabriz, Tabriz, Iran* | Design and fabrication of a polishable triple electrode made by graphite rode and silver wire and its application in the electrochemical determination of azathioprine by drop-casting on the three-electrode system surface |
| 1126 | **Salva Golparvar Nobaria\*, Karim Asadpour Zeynalia**  *aDepartment of Analytical Chemistry, Faculty of Chemistry, University of Tabriz, Tabriz, Iran* | Synthesis, characterization, and application of NiMn2O4/CQD nanocomposite for electrochemical determination of chloramphenicol in pharmaceutical and clinical samples |
| 1127 | **Farzad Allahnouriad, Khalil Farhadiab\*, Hamideh Imanzadehc , ElhamAlambarkatd**  **,Masoud Allahnourie**  *a Department of Analytical Chemistry,Faculty of Chemistry,Urmia University,Urmia, Iran*  *b Institute of Nanotechnology, Urmia University, Urmia, 5756151818, Iran*  *c Department of Plant Sciences and Medicinal Plants, Meshgin-shahr Faculty of Agriculture, University of Mohaghegh Ardabili, Ardabil, Iran*  *dSouth pars Gas comlex,asaluyeh, Iran*  *eFaculty of Dentistry, Ilam University of Medical Sciences, Ilam, Iran* | A sensitive nonenzyme hydrogen peroxide sensor based on a chitosan/palladium nanoparticles@carbon quantum dots nanocomposite |
| 1128 | **Zahra Ejraeia, Mahsa Kalhoria, Kheibar Dashtiana\*, Rouholah Zare-Dorabeia**  *a Department of Chemistry, Iran University of Science and Technology, Tehran, Iran* | Molecularly Imprinted Polymer Supported CoS/MoS2-Derived MOF for Electrochemical Detection of Cortisol Biomarker |
| 1129 | **Arezoo Esmaeilia, Mahsa Kalhoria, Kheibar Dashtiana\*, Rouholah Zare-Dorabeia**  *a Department of Chemistry, Iran University of Science and Technology, Tehran, Iran* | Dual-Metal-organic frameworks (Ce/V MOF) based nanozyme for electrochemical detection of L-Serine biomarker |
| 1137 | **Mojtaba Bagherzadeh\***  *Reactor and Nuclear Safety Research School, Nuclear Science and Technology Research Institute, 81465-1589, Tehran, Iran.* | Electrochemical Corrosion Under Radioactive Irradiations |
| 1138 | **Farzaneh Hekmata\***  *aDepartment of Chemistry, Faculty of Chemistry and Petroleum Science, Shahid Beheshti University (SBU), Tehran 1983969411, Iran* | High-performance Energy Storage Systems Constructed from Highly Porous Tri-metallic Metal-Organic Frameworks and Low-priced Biomassderived Carbons |
| 1139 | **Maryam Saeedi Rada, Mojtaba Bagherzadehb\*, Abolfazl Semnania, Javad Mokhtarib**  *aDepartment of Chemistry, Faculty of Science, University of Shahrekord, Shahrekord, Iran.*  *bReactor and Nuclear Safety Research School, Nuclear Science and Technology Research Institute, 81465-1589, Tehran, Iran.* | Electrochemical Investigation of Zr-Nb 1% Alloy Corrosion Under Irradiation |
| 1144 | **Mina-Sadat Koshkia, Sahra Khosrojerdia, Mehdi Baghayeri****a,\*, Sirous Salemi a,\*, Mohammad Zirakb**  *aDepartment of* *Chemistry, Faculty of Science, Hakim Sabzevari University, Sabzevar, Islamic Republic of Iran*  *bDepartment of Physics, Faculty of Science, Hakim Sabzevari University, Sabzevar, Islamic Republic of Iran* | Molybdenum doped BiVO4 sensing platform for photoelectrochemical detection of uric acid |
| 1145 | **Farideh lotfipour a, Davood Nematollahia,b\* ,Niloofar Mohamadighadera\***  *aFaculty of Chemistry and Petroleum Sciences, Bu-Ali Sina University, Hamedan, Iran*  *bPlanet Chemistry Research Center, Bu-Ali Sina University, Hamedan, Iran.* | Practical electrochemical anodic oxidation of isoniazid for late-stage functionalization |
| 1146 | **Farideh Lotfipour,a** **Davood Nematollahi,a, b\***  *aFaculty of Chemistry and Petroleum Sciences, Bu-Ali Sina University, Hamedan, Iran*  *bPlanet Chemistry Research Center, Bu-Ali Sina University, Hamedan, Iran* | Electrochemical late-stage modification of hydralazine. A green strategy for the synthesis of nano-structured new sulfonylhydrazine derivatives |
| 1147 | **Monireh Ganjalia\*, Mansoureh Ganjalib, Sorya Borna Zonoozia, Amin Sohrabia**  *aDepartment of Nanotechnology and Advanced Materials, Materials and Energy Research Center (MERC), Thran, Iran*  *bNour-Zoha materials Engineering Research group, Tehran, Iran* | Corrosion behavior of laser cladded graphene nanoplatelets reinforced hydroxyapatite composite coatings on Ti-6Al-4V |
| 1148 | **Leila Mohammadia\*, Mohammadreza Vaezib**  *a, b Department of Nano Technology and Advanced Materials, Materials and Energy Research Center, Karaj, Iran.* | Survey of diverse variables on the micro-donning process of nanostructure coating nickel-graphene with direct current |
| 1155 | **Niloofar Nosratabadi\*a, Hadi Beitollahib, Fariba Garkani Nejadb**  *aDepartment of Chemistry, Faculty of Chemistry and Chemical Engineering, Graduate University of Advanced Technology, Kerman, Iran*  *bEnvironment Department, Institute of Science and High Technology and Environmental*  *Sciences, Graduate University of Advanced Technology, Kerman, Iran* | Modification of carbon paste electrode to enhance electrochemical determination of 2,4,6-Trichlorophenol |
| 1157 | **Niloofar Nosratabadi\*a, Hadi Beitollahib, Fariba Garkani Nejadb**  *aDepartment of Chemistry, Faculty of Chemistry and Chemical Engineering, Graduate University of Advanced Technology, Kerman, Iran*  *bEnvironment Department, Institute of Science and High Technology and Environmental*  *Sciences, Graduate University of Advanced Technology, Kerman, Iran* | Voltammetric determination of 4-Nitrophenol based on glassy carbon electrode modified with graphene oxide and Ni-MOF nanosheets |
| 1158 | **Parisa Rezvaniniaa, Ahmad Amiria\***  *aDepartment of Chemistry, College of Science, University of Tehran, Tehran 14155-6455, Iran.* | Copper Tungstate Composite with MXene as Bifunctional Electro-catalysts for Water Splitting Reactions |
| 1163 | **Mohammad Shahsavania, Javad Tashkhouriana\***  *aDepartment of chemistry, Faculty of science, Shiraz university, Shiraz, Iran* | Construction & Design of Modified Carbon Paste Electrochemical Sensor Based on CeO2-ZnO Nanocomposite for the Determination of Gallic Acid |
| 1165 | **Melika Niksereshta, Ahmad Amiria\***  *aDepartment of chemistry Faculty of science, University of Tehran, Tehran, Iran* | Cyclic Voltammetry Study of the Interactions of Schiff base complex with DNA and HSA |
| 1166 | **Kowsar Zabihpoura, Ahmad Amiria\***  *aDepartment of chemistry Faculty of science, University of Tehran, Tehran, Country* | An electrochemical reduction of water catalyzed by a water-soluble catalyst, Cobalt (III) complex with a Schiff base ligand |
| 1167 | **Sudabeh Shokrollahia, Ahmad Amiria\***  *aDepartment of chemistry Faculty of science, University of Tehran, Tehran, Iran* | Investigating the Binding Modes of a Schiff-Base Ligand to DNA: Insights from Electrochemical and Spectroscopic Techniques for Anticancer Applications |
| 1168 | **Samaneh Ghofrani, Ahmad Amiria**\*  Department of Chemistry, College of Science, University of Tehran, Tehran 14155-6455, Iran | Electrocatalytic Hydrogen Evolution by Cu(II) Schiff Base Complex |
| 1169 | **Seyed Farzad Hosseinia, Parisa Rezvaniniaa, Ahmad Amiria\***  *aDepartment of Chemistry, College of Science, University of Tehran, Tehran 14155-6455, Iran.* | Cobalt (III) Based Catalyst for Water Splitting Reactions |
| 1056 | **Haniya Rezaeia, Davood Nematollahia,b\* Farideh Lotfipoura**  , Niloofar Mohamadighadera\*  *aFaculty of Chemistry and Petroleum Sciences, Bu-Ali Sina University, Hamedan, Iran*  *bPlanet Chemistry Research Center, Bu-Ali Sina University, Hamedan, Iran.* | Electrochemical late-stage modification of niclosamide, a common anthelmintic drug between humans and animals. |
| 1132 | **Soraya Ghayempoura\*, Zahra Zare Zardeinia, Mohammad Mazloum-Ardakanib**  *aDepartment of Textile Engineering, Faculty of Engineering, Yazd University, Yazd, Iran*  *bDepartment of Chemistry, Faculty of Science, Yazd University, Yazd, Iran* | A Flexible magnetic electrode based on electrochemical coating of cobalt and iron nanoparticles on the PVP.rGO/polyester fabric |
| 1161 | **Tahere Khattia, Mohammad Mazloum-Ardakania\*, Zahra Alizadeha, Zahra Souria**  *aDepartment of Chemistry, Faculty of Sciences, Yazd University, Yazd, Iran* | A Novel Composite of Mn, Co-LDH and Reduced Graphene Oxide for Application in Energy Storage Device |
| 1046 | **Hamed Negahbanfard\*, Hamid R. Zare, Hossain Khoshro**  *Department of Chemistry, Yazd University, Yazd, 89195-741, Iran* | Electrochemical reduction of CO2 at the surface of reduced graphene oxide/silver nanocomposite |
| 1156 | **Mahshad Shafiee Sarvestani, Ali Benvidi\*, Mansoure Alighiyan Baghkhandan**  *aDepartment of Chemistry, Faculty of Chemistry, Yazd University, Yazd, Iran* | Determination of tryptophan using differential pulse voltammetry with screen printed electrode with graphite carbon nitride (g-C3N4) and cerium oxide nanoparticles |
| 1086 | **Soudabeh Dalirnasab, Ali Benvidi\***  *Department of Chemistry, Yazd University, Yazd, Iran, Fax: 03538210644; Tel: 035 31232645* | Investigating the effectiveness of a TiO2-NTs/SnO2-Sb2O5-NiO modified electrode in removing dispersed Red 73 dye from water solutions and textile industry wastewater |
| 1087 | **Soudabeh Dalirnasab, Ali Benvidi\***  *Department of Chemistry, Yazd University, Yazd, Iran, Fax: 03538210644; Tel: 035 31232645* | Electrochemical ozone production using a TiHX/Sb-SnO2-Ni electrode and its effective application in breaking down dyes from textile wastewater |
| 1085 | **Zahra Arabi1, Jahan Bakhsh Raoof1\*, Milad Ghani2**  *1Electroanalytical Chemistry Research Laboratory,* *Department of Analytical Chemistry, Faculty of Chemistry, University of Mazandaran, Babolsar, Iran.*  *2Department of Analytical Chemistry, Faculty of Chemistry, University of Mazandaran, Babolsar, Iran.* | Combination of three-phase hollow fiber microextraction method and solid phase microextraction for extraction and electrochemical measurement of glucose |
| 1106 | **Mir Ghasem Hosseinia, Naser Abbaszadehb\***  *aDepartment of Physical chemistry, Faculty of chemistry, Tabriz University, Tabriz, Iran*  *bDepartment of Physical chemistry, Faculty of chemistry, Tabriz University, Tabriz, Iran* | Synthesis, characterization and Comparing the electrocatalytic performance of Ru-Ni MOF/NF and Ru-Co MOF/NF for glycine oxidation |
| 1049 | **Muhammad Alaei,a Davood Nematollahi,a,b\* Niloofar Mohamadighader,a Mahsa Roshani,a Mohammad Mehdi Hashemi-Mashouf,a**  *aFaculty of Chemistry and Petroleum Sciences, Bu-Ali Sina University, Hamedan, Iran*  *bPlanet Chemistry Research Center, Bu-Ali Sina University, Hamedan, Iran.* | Electrochemical study of pyrazinamide in water/ethanol mixture and recognizing the role of pH in its electrochemical reduction |
| 1096 | **Zahra shams ghamsaria, Hani sayahia\***  *a Chemistry and Chemical Engineering Research Center of Iran, Tehran, Iran* | The performance of polydiphenylamine synthesized by an ultrasonication approach as a precursor in electrochemical supercapacitors |