



14th

**Biennial
Electrochemistry
Seminar of IRAN**
Kharazmi University
29 & 30 August 2021

Webinar



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Kharazmi University 29 & 30 August 2021



Prof. Joseph Wang
University of California, San Diego
Title: Wearable Electrochemical Sensors



Dr. Hadi Khani
Texas Materials Institute, Cockrell School of Engineering,
The University of Texas at Austin
Title: Screening the Electrocatalytic Activities of Graphite-Coated Nickel, Cobalt, and Iron Nanoparticles and Their Alloys



Prof. Seyed Habib Kazemi
Institute for Advanced Studies in Basic Sciences,
Zanjan, Iran
Title: Supercapacitor Electrode Materials Based on Metal-Organic Frameworks



Dr. Behnam Rasekh
Energy and Environment Campus of
Petroleum Industry Research Institute, Iran
Title: Monitoring and Control of Microbial Corrosion in the Oil Industry



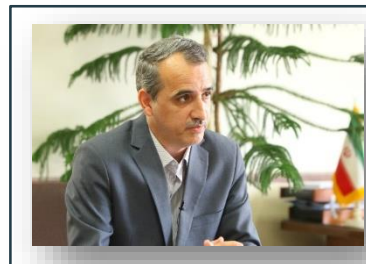
Prof. Mirghasem Hosseini
Physical Chemistry Department, Faculty of Chemistry,
Tabriz University, Iran
Title: Outlook of Direct Liquid Fuel Cells



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Dr. Masoud Baghernejad
Forschungszentrum Jülich GmbH,
Helmholtz Institute Münster (HI MS, IEK-12),
Münster, North Rhine-Westphalia, Germany
Title: Electrochemical Gating of Single Molecules



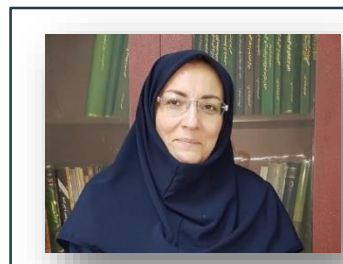
Dr. Jaber Neshati
Energy and Environment Campus of
Petroleum Industry Research Institute, Iran
**Title: Corrosion management in the National
Iranian Oil Company**



Prof. Hamid Reza Zare
Department of Chemistry, Yazd University, Yazd, Iran
**Title: Electrochemical Study of Single Nanoparticle Collisions
at the Ultramicroelectrode Surface**



Prof. Abdollah Salimi
Department of Chemistry, University of Kurdistan,
Sanandaj, Iran
**Title: Development of Bioaffinity Electrochemiluminescence
Sensors: New Directions and Future Challenges**



Dr. Soosan Rowshanzamir
Iran University of Science and technology, Iran
**Title: Hydrocarbon Based Polymeric Cation Exchange
Membranes for the Chlor-Alkali Membrane Process**



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Day 1: Sunday August 29, 2021

8:30-9:00	Opening
9:00-10:00	Wearable Electrochemical Sensors <u>Prof. Joseph Wang</u>
10:00-10:30	Development of bio-affinity electro-chemiluminescence sensors: New directions and future challenges <u>Prof. Abdollah Salimi</u>
10:30-11:00	Monitoring and control of microbial corrosion in the oil industry <u>Dr. Behnam Rasekh</u>
11:00-11:45	Poster Session 1
11:45-12:15	Hydrocarbon based polymeric cation exchange membranes for the chlor-alkali membrane process <u>Dr. Soosan Rowshanzamir</u>
12:15-12:45	Convergent Paired Electrosynthesis of Symmetric Spiro-Pyrimidine Derivatives via the Generation of Appropriate Michel Acceptor from Para-Nitrophenol <u>Dr. Mahmood Masoudi Khoram</u>
12:45-14:30	Break



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Day 1: Sunday August 29, 2021

12:45-14:30	Break
14:30-15:00	Supercapacitor Electrode Materials Based on Metal-Organic Frameworks <u>Prof. Seyed Habib Kazemi</u>
15:00-15:30	Corrosion management in the National Iranian Oil Company <u>Dr. Jaber Neshati</u>
15:30-16:00	C-C bond formation based on transition metal-catalyzed electrochemical processes <u>Dr. Sadegh Khazalpour</u>
16:00-17:00	Poster Session 2
17:00-17:30	Determination of Atrazine Using a New Photoelectrochemical Aptasensor Based on AuNPs/g-C ₃ N ₄ Nanocomposite <u>Dr. Behjat Deiminia</u>
17:30-18:00	Investigating the photoelectrocatalytic performance of polyaniline-WS ₂ nanocomposite for oxygen evolution reaction under solar irradiation <u>Dr. Ali Zende Del</u>
18:00-18:30	Development of a nanoscale voltammetric genosensor for rapid detection of COVID-19 <u>Dr. Sodeh Sadjadi</u>



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Day 2: Monday August 30, 2021

9:00-9:30	Screening the Electrocatalytic Activities of Graphite-Coated Nickel, Cobalt, and Iron Nanoparticles and Their Alloys <u>Dr. Hadi Khani</u>
9:30-10:00	Electrochemical Study of Single Nanoparticle Collisions at the Ultra-microelectrode Surface <u>Prof. Hamid Reza Zare</u>
10:00-10:30	Outlook of Direct Liquid Fuel Cells <u>Prof. Mirghasem Hosseini</u>
10:30-11:15	Poster Session 3
11:15-11:45	Design and Construction of Lanthanum Selective Electrode Based on Chemometrics Model and Experimental Evaluation <u>Dr. Roya Kiani Anbouhi</u>
11:45-12:15	Electrochemical gating of single molecules <u>Dr. Masoud Baghernejad</u>
12:15-13:00	Closing