



## Esmaeel Alipour

Assistant Professor

College: Chemistry

### Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
(not set)	(not set)	Tenured	Full Time	17

### Papers in Journals

1. Zarrin Ghasemi , Zahra Fathi , Esmaeel Alipour , Habibeh Shahabi,Wittig Synthesis, Optical Properties and Electrochemical Behaviors of Some Conjugated Derivatives of 4-Pyrones,Polycyclic Aromatic Compounds,2023 10 25.
2. Sheida Norouzi , Somaieh Soltani , Esmaeel Alipour,Recent advancements in biosensor designs toward the detection of intestine cancer miRNA biomarkers,International Journal of Biological Macromolecules,2023 06 20.
3. Facile Synthesis of a Novel Zr/Fe<sub>3</sub>O<sub>4</sub>/GO Nanocomposite and Its Application for Modification of Electrode Surfaces and Voltammetric Determination of Nitrite Ions,Journal of Analytical Chemistry,2023 02 27.
4. Esmaeel Alipour , Fatemeh Mirzae Bolali , Sheida Norouzi , Afsaneh Saadatirad,Electrochemically activated pencil lead electrode as a sensitive voltammetric sensor to determine gallic acid,Food Chemistry,2021 12 13.
5. Amir Hossein Moradi et al.,Detection of nitrite using a novel electrochemical sensor based on palladium/zinc oxide/ graphene oxide nanocomposite,International Journal of Environmental Analytical Chemistry,2021 12 04.
6. Fatemeh Aghaziyarati Farahani et al.,Development of novel aptasensor for ultra-sensitive detection of myoglobin via electrochemical signal amplification of methylene blue using poly (styrene)-block-poly (acrylic acid) amphiphilic copolymer,Talanta,2021 10 08.
7. Sanam Lamei , Abdolali Alemi , Esmaeel Alipour,Preparation and characterization of new copper nickel vanadium oxide pyrochlore via solid state reaction, and its application in electrochemical sensing of acetaminophen,Materials Chemistry and Physics,2021 09 11.
8. Esmaeel Alipour et al.,Synthesis of chitosan-grafted poly-acrylic acid (CTS-g-PAA) hydrogel and its potential application in biosensors for signal enhancing and bioanalysis,Journal of Materials Science: Materials in Electronics,2021 08 28.
9. Esmaeel Alipour , Sheida Norouzi , Shokoufeh Moradi,The development of an electrochemical DNA biosensor based on quercetin as a new electroactive indicator for DNA hybridization

detection, *Analytical Methods*, 2020 12 24.

10. Habib Bahadori , Mir Reza Majidi , Esmaeel Alipour, An electrochemical sensor for simultaneous determination of some pharmaceutical compounds using ionic liquid and Pd nanoparticles supported on porous silicon doped carbon-ceramic electrode as a renewable surface composite electrode, *Microchemical Journal*, 2020 11 05.
11. Ameneh Abolghassemi Fakhree , Roghayeh Mohammadzadeh , Esmaeel Alipour , Zarrin Ghasemi, Synthesis of new polyaryl-substituted imidazoles bridged on enamine or urea moieties and evaluation of their optical and electrochemical properties, *Research on Chemical Intermediates*, 2020 01 02.
12. Iman Razavipanaha , Esmaeel Alipour , Behjat Deiminiat , Gholam Hossein Rounaghi, A novel electrochemical imprinted sensor for ultrasensitive detection of the new psychoactive substance "Mephedrone", *Biosensors and Bioelectronics*, 2018 08 08.
13. Pretreated Pencil Graphite Electrode as a Versatile Platform for Easy Measurement of Diclofenac Sodium in a Number of Biological and Pharmaceutical Samples, *Journal of the Chinese Chemical Society*, 2017 10 25.
14. A performance evaluation of Fe<sub>3</sub>O<sub>4</sub>/Au and  $\square$ -Fe<sub>2</sub>O<sub>3</sub>/Au core/shell magnetic nanoparticles in an electrochemical DNA bioassay, *Journal of Electroanalytical Chemistry*, 2017 02 07.
15. Ali Zavari et al., Development of quantum-dot-encapsulated liposome-based optical nanobiosensor for detection of telomerase activity without target amplification, *Analytical and Bioanalytical chemistry*, 2016 10 24.
16. Golnaz Parvizi Fard , Esmaeel Alipour , Reza Emam Ali Sabzi, Modification of a disposable pencil graphite electrode with multiwalled carbon nanotubes: application to electrochemical determination of diclofenac sodium in some pharmaceutical and biological samples, *Analytical Methods*, 2016 04 13.
17. Esmaeel Alipour , Habibeh Shahabi , Tohid Mahmoudi , Badiki, Introducing curcumin as an electrochemical DNA hybridization indicator and its application for detection of human interleukin-2 gene, *Journal of Solid State Electrochemistry*, 2016 02 22.
18. Mohammadreza Alizadeh et al., Design and development of PCR-free highly sensitive electrochemical assay for detection of telomerase activity using Nano-based (liposomal) signal amplification platform, *Biosensors and Bioelectronics*, 2016 01 31.
19. Mahsa Dehghanzade , & Esmaeel Alipour, Voltammetric determination of diazepam using a bismuth modified pencil graphite electrode, *Analytical Methods*, 2016 01 26.
20. Dopamine-loaded liposome and its application in electrochemical DNA biosensor, *Journal of Biomaterials Applications*, 2016.
21. Esmaeel Alipour , Farhad Nakhostin Allaf , Tohid Mahmoudi , Badiki, Investigation of specific interactions between Nile blue and single type oligonucleotides and its application in electrochemical detection of hepatitis C 3a virus, *Journal of Solid State Electrochemistry*, 2015 07 06.
22. Esmaeel Alipour , Mir Reza Majidi , Omid Hoseindokht, Development of Simple Electrochemical Sensor for Selective Determination of Methadone in Biological Samples Using Multi-walled Carbon Nanotubes Modified Pencil Graphite Electrode, *Journal of the Chinese Chemical Society*, 2015 02 24.
23. Abbas Hassan Oghli , Esmaeel Alipour , Mojtaba Asadzadeh, Development of a novel voltammetric sensor for the determination of methamphetamine in biological samples on the pretreated pencil graphite electrode, *RSC Advances*, 2014 09 28.
24. Preparation and application of  $\square$ -Fe<sub>2</sub>O<sub>3</sub>/TiO<sub>2</sub>/activated charcoal platenanocomposite as an electrode for electrosorption-assisted visiblelight photoelectrocatalytic process, *Journal of Molecular Catalysis A: Chemical*, 2014 09 03.
25. Simple and Rapid Amperometric Monitoring of Hydrogen Peroxide at Hemoglobin-Modified Pencil Lead Electrode as a Novel Biosensor: Application to the Analysis of Honey Sample, *Food Analytical Methods*, 2014 08 31.
26. Simultaneous Determination of Nitrite and Hydrogen Peroxide Using Hemoglobin Modified Pencil Lead Electrode as a Novel Biosensor: Application to the Analysis of Mother's Milk, *Journal of the*

Chinese Chemical Society,2014 07 17.

27. Electrosorption and photocatalytic one-stage combined process using a new type of nanosized TiO<sub>2</sub>/activated charcoal plate electrode, *Environmental Science and Pollution Research*,2014 03 10.
28. Mir Reza Majidi , Arezu Salimi , Esmaeel Alipour,Development of Voltammetric Sensor for Determination of Tryptophan Using MWCNTs-modified Sol-gel Electrode,*Journal of the Chinese Chemical Society*,2013 08 13.
29. Mir Reza Majidi , Afsaneh Saadatirad , Esmaeel Alipour,Pencil Lead Electrode Modified with Hemoglobin Film as a Novel Biosensor for Nitrite Determination,*Electroanalysis*,2013 04 26.
30. Detection and discrimination of recombinant plasmid encoding hepatitis C virus core/E1 gene based on PNA and double-stranded DNA hybridization,*Biosensors and Bioelectronics*,2013 01 30.
31. Esmaeel Alipour , Mir Reza Majidi , Afsaneh Saadatirad , Sayed Mahdi Golabi,Determination of uric acid in biological samples on the pretreated pencil graphite electrode,*Analytical Methods*,2012 5 28.
32. Simultaneous determination of dopamine and uric acid in biological samples on the pretreated pencil graphite electrode,*Electrochimica Acta*,2012 12 19.
33. Esmaeel Alipour ,& Sima Gasemlou,Easy modification of pencil graphite electrode for discrimination and determination of morphine in biological and street samples,*Analytical Methods*,2012 06 15.
34. Voltammetric detection of uridin diphosphate glucuronosyl transferase 1A9 (UGT1A9) gene corresponding oligonucleotide covering promoter region from 2268 to 2280 including (A/T) polymorphism at position 2275 and optimization of the detection factors,*Journal of the Iranian Chemical Society*,2012 02 22.
35. Mir Reza Majidi , Afsaneh Saadatirad , Esmaeel Alipour,Voltammetric Determination of Hemoglobin Using a Pencil Lead Electrode,*Electroanalysis*,2011 04 27.
36. Esmaeel Alipour et al.,Electrochemical detection and discrimination of single copy gene target DNA in non-amplified genomic DNA,*Electrochimica Acta*,2010 11 26.
37. Mohammad Saeid Hejazi et al.,Development of a Novel Electrochemical Biosensor for Detection and Discrimination of DNA Sequence and Single Base Mutation in dsDNA Samples Based on PNA-dsDNA Hybridization – a new Platform Technology,*Electroanalysis*,2010 09 22.
38. Mohammad Hossein Pournaghi et al.,Direct and rapid electrochemical biosensing of the human interleukin-2 DNA in unpurified polymerase chain reaction (PCR)-amplified real samples,*Biosensors and Bioelectronics*,2008 05 20.
39. Construction, electrochemically biosensing and discrimination of recombinant plasmid (pETHIL-2) on the basis of interleukine-2 DNA insert,*Biosensors and Bioelectronics*,2008 01 14.
40. Mohammad Hossein Pournaghi , Azar , Mohammad Saeid Hejazi , Esmaeel Alipour,Detection of Human Interleukine-2 Gene Using a Label-Free Electrochemical DNA Hybridization Biosensor on the Basis of a Non-Inosine Substituted Probe,*Electroanalysis*,2006 12 03.
41. M.S. Hejazi , Esmaeel Alipour , M.H. Pournaghi , Azar,Immobilization and voltammetric detection of human interleukine-2 gene on the pencil graphite electrode,*Talanta*,2006 08 02.
42. M.H. Pournaghi , Azar , M.S. Hejazi , E. Alipour,Developing an electrochemical deoxyribonucleic acid (DNA) biosensor on the basis of human interleukine-2 gene using an electroactive label,*Analytica Chimica Acta*,2006 04 06.