Susan Sadeghi Bojd

Professor

Faculty: Science

Department: Chemistry

Education

Degree	Graduated in	Major	University
BSc	1986	Chemistry	Birjand University
MSc	1989	Analytical Chemistry	Tehran University
Doctoral	1998	Analytical Chemistry	Shahid Beheshti University

Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
University of Birjand	Faculty member	Tenured	Full Time	

Work Experience

- Director of research , Faculty of Science, University of Birjand, 2000-2002

- Research manager, University of Birjand, 2004-2005

- Chairman of 14th Iranian conference of Analytical chemistry, Universityof Birjand, 2005

- Member of organizing and scientific committee of 5th probability and random process conference, University of Birjand, 2005

- Member of organizing and scientific committee of 14th conference of crystallography and mineralogy of Iran, University of Birjand, 2006

- Chairman of the special committee on science, 2012-2014

Awards

-Distinguished Researcher, Universityof Birjand, 2001-2005, 2011, 2013

-Distinguished Researcher of University of Birjand, Award of the Iranian Ministry of Science, Research and Technology, 2003

-Distinguished teacher, University of Birjand, 2003

- Distinguished Researcher of University of Birjand, Award of the 4th National Ferdowsi Festival, 2003

-Distinguished Researcher of University of Birjand, Award of the of the Iranian Ministry of Science, Research and Technology, 2005

Subjects Taught

COURSES TAUGHT

Analytical Chemistry I and II (B.Sc.)

Instrumental Analysis (B.Sc.)

Advanced Analytical Chemistry (M.Sc.)

Spectrochemical Analysis I and II (M.Sc.)

Analytical Electrochemistry (M.Sc.)

Electrochemistry in non-aqueous solutions (Ph.D)

Advanced Instrumental Analysis (Ph.D)

Executions And Scientific Activities

•EDUCATIONAL RECORDS

Lecturer: University of Birjand, Birjand, Iran, 1989-1994.

Assistant Professor: University of Birjand, Birjand, Iran, 1998- 2003.

Visiting Assistant Professor: University of Carleton, Ottawa, Canada,2003

Associate Professor: University of Birjand, Birjand, Iran, 2003-2009.

Professor: University of Birjand, Birjand, Iran, Since 2010.

Course Topics

RESEARCH INTERESTS

-Solid-phase extraction, solid phase microextraction and development of liquid-liquid microextraction based on ionic liquids

-Molecularly (ion) imprinted polymers

-Ionic liquids in separation

-Ion Transport through Liquid Membranes

-Screen printed electrodes in electrochemical analysis

-Modified magnetic nanoparticles and nanocomposites in separation

-Drug Delivery

Papers in Conferences

1. سوسن صادقی بجد,ابراهیم فولادی,ملکانه ابراهیم،fabrication of adehyde oxidase and xanthine oxidase electrochemical biosensors based on Fe۳O۴/Go/CHIT and inhibition studies of purines perymidinies and flavonoides،۱۸ ۱۲ ۲۰۱۶،تهران،شماره صفحات -،یازدهمین سمینار سالانه الکتروشیمی ایران.
2. محمد مسینائی,سوسن صادقی بجد,علی زراعتکار مقدم,فاطمه السادات علویان شهری،A novel modified bentonite adsorbent using grafted gum for removal of acid blue ۱۱۳ from textile wastewaters and optimization bycentral composite design،۲۶ ۰۲ ۲۰۱۳،مشهد،شماره صفحات -،نوزدهمین سمینار شیمی تجزیه ایران.
3. سوسن صادقی بجد,الیاس ابوبکری،سنتز و بررسی پلیمرهای قالب یونی با روش پلیمریزاسیون پیوند شده به برای استخراج انتخاب پذیریون توریم،یازدهمین همایش دانشجویی نانو فناوری،شماره صفحات -،تهران،۲۰۱۲ ۰۲ ۲۲.
4. _ ,Determination of trace amount of thiabendazole residues in food and water samples by spectrofluorimetry after preconecentration with micro solid phase extraction based on new modified magnetic nanoparticles ,بیست و ششمین سمینار شیمی تجزیه ایران, pp. 0-0 ,25 08 2019, دانشگاه سمنان.
5. _ ,Synthesis of Mg(OH)2@Reduced graphene oxide nanocomposite and application for simultaneous micro solid phase extraction of uranium and thorium using micropipette tip syringe system ,بیستمین سمینار شیمی معدنی ایران, pp. 0-0 ,09 03 2019, زاهدان.
6. _ ,One pot and ecofriendly synthesis of Cdse Qds and their characterization and application for ultrasensitive and determination of copper (II) in real samples ,بیستمین سمینار شیمی معدنی ایران, pp. 0-0 ,09 03 2019, زاهدان.
7. _ ,Ionic liquidsRecent progress in their applications in the extraction and analysis of inorganic and organic materials ,بیست و پنجمین سمینار شیمی تجزیه ایران, pp. 29-29 ,03 09 2018, تبریز.
8. _ ,Optimization of ionic liquid based dispersive liquid-liquid microextraction coupled with micro-solid phase extraction for the determination of sulfasalazine in aqueous samples ,بیست و سومین سمینار شیمی تجزیه ایران, pp. - ,30 08 2016, تهران.
9. _ ,Application of novel insitu solvent formation microextraction procedure for speciation of iron ,هفدهمین کنگره شیمی ایران, pp. 1-1 ,01 09 2014, رفسنجان.
10. _ ,Voltammetric determination of 5-amino salicylic acid by using carbon paste electrode ,نوزدهمین سمینار شیمی تجزیه ایران, pp. 67-67 ,26 02 2013, مشهد.
11. _ ,Removal of CrVI) in the presence of CrIII) from aqueous solution by polymethylmethacrylate grafted Tragacanth gum immobilized on magnetic nanoparticles as a new sorbent and optimization by experimental design ,نوزدهمین سمینار شیمی تجزیه ایران, pp. - ,26 02 2013, مشهد.

12. _ ,Recent trends and developments of molecularly imprinted polymers as selective sorbents in separation science ,نوزدهمین سمینار شیمی تجزیه ایران, pp. 9-9 ,26 02 2013, مشهد.
13. _ ,Removal of Cr(VI) in the Presence of Cr(III) from Aqueous Solutions by Poly(methylmethacrylate) Grafted ,نوزدهمین سمینار شیمی تجزیه ایران, pp. 208-209 ,26 02 2013, مشهد.
14. _ ,Voltammetric determination of Sulfasalazine in the presence of its metabolites using a screen printed ,نوزدهمین سمینار شیمی تجزیه ایران, pp. 132-133 ,26 02 2013, مشهد.
15. _ ,Simultaneous voltammetric determination of sulfasalazine and 5-aminosalysilic acid at a copper nanoparticles modified ,نوزدهمین سمینار شیمی تجزیه ایران, pp. 132-132 ,26 02 2013, مشهد.
16. _ ,Silver nanoparticles confined in mesoporous silica and its catalytic effect in reduction of Cr(VI) in aqueous solutions ,نوزدهمین سمینار شیمی تجزیه ایران, pp. 333-333 ,26 02 2013, مشهد.
17. Mohammad Massinaei ,A novel modified bentonite adsorbent using grafted gum for removal of acid blue 113 from textile wastewaters and ,نوزدهمین سمینار شیمی تجزیه ایران, pp. 332-332 ,2013, مشهد 26 02.
18. _ ,Screen printed carbon electrode modified by ionic liquid/Ag nanoparticles for determination of metronidazole in biological samples ,پانزدهمین سمینار شیمی فیزیک ایران, pp. 1730-1732 ,09 2012, تهران 03.
19. _ ,Investigation of electrochemical properties of hetrodimeric nanoparticles Fe3O4-Ag Fe2O3 FeOOH-Ag for determination of glucose ,پانزدهمین سمینار شیمی فیزیک ایران, pp. 1700-1703 ,2012, تهران 03 09.
20. _ ,construction of a novel screen printed sensor modified by quercetin and multi wall carbon nanotubes for determination of CrVI) in the presence of CrIII) ,دهمین سمینار دوسالانه الکتروشیمی ایران, pp. 38- ,17 07 2012, همدان.
21. _ ,Construction of a novel screen printed sensor modified with multiwall carbon nanotubes for determination of Ketoconazole in biological samples ,دهمین سمینار دوسالانه الکتروشیمی ایران, pp. - ,همدان 17 07 2012,.
22. _ ,Modified supermagnetic nanoparticles as a selective sorbent for preconcentration of uranyl ion from water samples ,دهمین همایش دانشجویی نانو فناوری, pp. - ,14 09 2011, رشت.
23. _ ,Voltammetric determination of cd ions using carbon paste electrode.... ,هجد همین سمینار شیمی تجزیه ایران, pp. - ,18 05 2011, زاهدان.
24. _ ,Selective preconcentration of U VI) in the presence of Th IV) using surface grafted UVI) imprinted polymer ,هجد همین سمینار شیمی تجزیه ایران, pp. 200- ,18 05 2011, زاهدان.
25. _ ,Grafting of ion imprinted polymer to the surface of silica gel as a new sorbent for preconcentration of uranium ion ,هفدهمین سمینار شیمی آلی ایران, pp. - ,13 10 2010, بابلسر.
26. _ ,Determination of HgII) ions in water by using gold-2-Mercaptobenzothiazole self assembled monolayer as a sensor ,هفد همین سمینار شیمی تجزیه ایران, pp. - ,12 09 2010, کاشان.
27. _ ,Grafted of imprinted polymers on the surface of silica gel particles as a new sorbent for preconcentration of Uranium and thorium ,شانزدهمین سمینار شیمی تجزیه ایران, pp. - ,28 07 2009, همدان.

Papers in Journals

1. Jorn C.C. Yu,Edward P.C. Lai,Surface plasmon resonance sensor for Hg(II) detection by binding interactions with polypyrrole and 2-mercaptobenzothiazole,Sensors and Actuators B: Chemical,Vol. 1,No. 101,pp. 236-241,2004,ISI،JCR،Scopus.
2. SHAGHAYEGH kheyrkhah nia,Copper metallic nanoclusters encapsulated within zinc-based metal organic framework for optical sensing of ciprofloxacin in aqueous solutions,Journal of Photochemistry and Photobiology A: Chemistry,Vol. 1,No. 462,pp. 116259-116270,2025,JCR،Scopus.
3. _,Fabrication of a disposable electrode based on recordable gold compact disc modified with Bi-Bi2O2CO3@ graphitic carbon nitride nanocomposite for the simultaneous detection of mesalazine and uric acid in biological fluids,Journal of Alloys and Compounds,Vol. 1,No. 1010,pp. 177255-177269,2025,JCR،Scopus.

4. _,Sensitive and rapid detection of ciprofloxacin and ofloxacin in aqueous samples by a facile and green synthesized copper nanocluster as a turn-on fluorescent probe,Microchemical Journal,Vol. 1,No. 202,pp. 110751-110760,2024,ISI،JCR،Scopus.
5. _,Bimetallic metal organic framework/Ni doped ZnO nanomaterials modified carbon paste electrode for selective electrochemical determination of ciprofloxacin,RSC Advances,Vol. 14,No. 11,pp. 7836-7849,2024,ISI،JCR،Scopus.
6. Masoumeh Ghalkhani,Graphitic Carbon Nitride/Ni Doped Copper Hydroxide Nanocomposite Based Electrochemical Sensor for Trace Level Detection of Ponceau 4R Food Colorant,Journal of the Electrochemical Society,Vol. 12,No. 169,pp. 127513-127525,2022,JCR،Scopus.
7. _,A highly sensitive and ecofriendly assay platform for the simultaneous electrochemical determination of rifampicin and isoniazid in human serum and pharmaceutical formulations,New Journal of Chemistry,Vol. 1,No. 47,pp. 500-514,2022,JCR،Scopus.
8. _,Ni doped zinc oxide nanoparticles supported bentonite clay for photocatalytic degradation of anionic and cationic synthetic dyes in water treatment,Journal of Photochemistry and Photobiology A: Chemistry,Vol. 10,No. 341,pp. 1-14,2022,JCR،Scopus.
9. _,Magnetic dispersive micro-solid-phase extraction using Fe3O4@AC-DZ nanosorbent for the determination of Cr(VI) in water samples,Journal of Dispersion Science and Technology,Vol. 6,No. 42,pp. 1-11,2021,JCR،Scopus.
10. _,A highly selective colorimetric assay for the determination of creatinine in biological samples using gluconic acid capped silver nanoparticles after ionic liquid based dispersive liquid phase microextraction,Canadian Journal of Chemistry,Vol. 4,No. 99,pp. 382-389,2021,JCR،Scopus.
11. _,Microextraction of sulfathiazole from milk and honey samples using a polymeric ionic liquid membrane followed by fluorometric determination,journal of food composition and analysis,Vol. 4,No. 97,pp. 103774-5103786,2021,ISI،Scopus.
12. _,Sodium gluconate capped silver nanoparticles as a highly sensitive and selective colorimetric probe for the naked eye sensing of creatinine in human serum and urine,Microchemical Journal,Vol. 1,No. 154,pp. 104601-104609,2020,JCR،Scopus.
13. _,CdSe quantum dots capped with a deep eutectic solvent as a fluorescent probe for copper(II) determination in various drinks,Microchimica Acta,Vol. 147,No. 187,pp. 1-9,2020,JCR،Scopus.
14. _,Sensitive Quantification of Fe(III) in Food Samples at Screen Printed Carbon Electrode Modified with Graphene and Piroxicam by Catalytic Adsorptive Voltammetry,Electroanalysis,Vol. 9,No. 32,pp. 1983-1992,2020,JCR،Scopus.
15. _,A sensitive fluorescent probe based on dithizone-capped ZnS quantum dots for quercetin determination in biological samples,Luminescence,Vol. 8,No. 35,pp. 1391-1401,2020,JCR،Scopus.
16. _,Ternary deep eutectic solvent modified cadmium selenide quantum dots as a selective fluorescent probe for sensing of uranyl ions in water samples,Journal of Molecular Liquids,Vol. 20,No. 316,pp. 113753-113763,2020,JCR،Scopus.
17. _,A rapid dispersive liquid-liquid microextraction based on hydrophobic deep eutectic solvent for selective and sensitive preconcentration of thorium in water and rock samples: A multivariate study,Journal of Molecular Liquids,Vol. 20,No. 291,pp. 111242-111250,2019,JCR،Scopus.
18. _,Capped cadmium sulfide quantum dots with a new ionic liquid as a fluorescent probe for sensitive detection of florfenicol in meat samples,Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy,No. 223,pp. 117349-0,2019,JCR،Scopus.
19. _,Simultaneous determination of Brilliant Green and Crystal Violet dyes in fish and water samples with dispersive liquid-liquid micro-extraction using ionic liquid followed by zero crossing first derivative spectrophotometric analysis method,Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy,Vol. 201,pp. 134-142,2018,JCR،Scopus.
20. _,A dispersive liquid-liquid microextraction based on a task-specific ionic liquid for enrichment of trace quantity of cadmium in water and food samples,Journal of the Iranian Chemical Society,Vol. 15,pp. 1913-1920,2018,JCR،isc،Scopus.

21. _,Optical detection of sulphasalazine in water and food samples using a hydrophilic ionic liquid as a potential fluorescent probe mediated with copper ions,Journal of Molecular Liquids,Vol. 231,pp. 640-646,2017,JCR،Scopus.
22. _,Iron species determination by task-specific ionic liquid-based in situ solvent formation dispersive liquid-liquid microextraction combined with flame atomic absorption spectrometry,Journal of the Science of Food and Agriculture,Vol. 97,No. 13,pp. 4635-4642,2017,JCR،Scopus.
23. _,Sequential determination of iron species in food samples by new task specific ionic liquid based in situ dispersive liquid liquid microextraction prior to flame atomic absorption spectrometry,Analytical Methods,Vol. 8,pp. 5031-5038,2016,JCR،Scopus.
24. _,The development of a new optical sensor based on the Mn doped ZnS quantum dots modified with the molecularly imprinted polymers for sensitive recognition of florfenicol,Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy,Vol. 159,pp. 83-89,2016,JCR،Scopus.
25. _,Optimization of ionic liquid based dispersive liquid liquid microextraction combined with dispersive micro-solid phase extraction for the spectrofluorimetric determination of sulfasalazine in aqueous samples by response surface methodology,RSC Advances,Vol. 6,No. 114,pp. 113551-113560,2016,ISI،JCR،Scopus.
26. _,Multiple response optimization of sequentian speciation of chromium,Journal of the Iranian Chemical Society,Vol. 13,No. 1,pp. 117-130,2016,JCR،isc،Scopus.
27. _,Chromium speciation using task specific ionic liquid/aqueous phase biphasic system combined with flame atomic absorption spectrometry,Journal of Molecular Liquids,Vol. 221,pp. 798-804,2016,JCR،Scopus.
28. _,A new method for separation and determination of Cr(III) and Cr(VI) in water samples by high-performance liquid chromatography based on anion exchange stationary phase of ionic liquid modified silica,Environmental Monitoring and Assessment,Vol. 187,No. 12,pp. 725-731,2015,JCR،Scopus.
29. _,Task-speci c ionic liquid based in situ dispersive liquid liquid microextraction for the sequential,RSC Advances,Vol. 5,pp. 60621-60625,2015,ISI،JCR،Scopus.
30. _,Multiple response optimization of sequential speciation of chromium in water samples by in situ solvent formation dispersive liquid- liquid microextraction prior to electrother-,Journal of the Iranian Chemical Society,Vol. 12,pp. 1-14,2015,JCR،isc،Scopus.
31. Mohammad Massinaei,Novel tunable composites based on bentonite and modified tragacanth gum for removal of acid dyes from aqueous solutions,RSC Advances,Vol. 5,pp. 55731-55745,2015,ISI،JCR،Scopus.
32. _,A highly selective sorbent for removal of Cr(VI) from aqueous solutions based on Fe3O4/poly(methyl methacrylate) grafted Tragacanth gum nanocomposite Optimization by experimental design,Materials Science and Engineering C,Vol. 45,pp. 136-145,2014,JCR،Scopus.
33. _,Solid-phase extraction and determination of Cr(III) and Cr(VI) using ionic liquid-functionalized silica as a hydrophobic sorbent and HPLC-UV detection,Analytical Methods,Vol. 6,pp. 4867-4877,2014,JCR،Scopus.
34. _,Solid-Phase Extraction of Florfenicol from Meat Samples by a Newly Synthesized Surface Molecularly Imprinted So l Ge l P o lym er,Food Analytical Methods,Vol. 7,pp. 2084-2094,2014,JCR،Scopus.
35. _,Sensitive detection of sulfasalazine at screen printed carbon electrode modi ed with functionalized multiwalled carbon nanotubes,Journal of Electroanalytical Chemistry,Vol. 727,pp. 171-178,2014,JCR،Scopus.
36. _,Voltammetric sensor based on carbon paste electrode modi ed with,Materials Science and Engineering C,Vol. 33,pp. 4884-4891,2013,JCR،Scopus.
37. _,A highly sensitive and selective electrochemical sensor for determination,Materials Science and Engineering C,Vol. 33,pp. 4972-4977,2013,JCR،Scopus.
38. _,Design and Construction of a New Modified Screen-Printed ensor for Voltammetric Determination of Molybdenum(VI) Ions,Electroanalysis,Vol. 25,No. 1,pp. 323-330,2013,JCR،Scopus.

39. _,Preparation of Ag-Nanoparticles/Ionic-Liquid Modified Screen-Printed Electrode and Its Application in the Determination of,Electroanalysis,Vol. 25,No. 1,pp. 316-322,2013,JCR،Scopus.
40. _,Selective solid-phase extraction using molecular imprinted polymer,Food Chemistry,Vol. 141,pp. 1242-1251,2013,JCR،Scopus.
41. _,Preconcentration and speciation of trace amounts of chromium in saline samples using temerature-controlled microextraction based on ionic liquid as extraction,Talanta,No. 99,pp. 758-766,2012,JCR،Scopus.
42. _,Surface modified magnetic Fe3O4 nanoparticles as a selective sorbent for solid phase extraction of uranyl ions from water samples,Journal of Hazardous Materials,Vol. 215,No. 8,pp. 208-216,2012,JCR،Scopus.
43. _,Electroanalytical determination of sulfasalazine in pharmaceutical and biological samples using molecularly imprinted polymer modified carbon paste electrode,Sensors and Actuators B: Chemical,Vol. 168,pp. 336-344,2012,ISI،JCR،Scopus.
44. _,Magnetic nanoparticles with an imprinted polymer coating for the selective extraction of uranyl ions,Microchimica Acta,Vol. 178,pp. 89-97,2012,JCR،Scopus.
45. _,Preparation of Ag-Nanoparticles/Ionic liquid modified screen printed electrode and its application in the determination of metronidazole,Electroanalysis,Vol. 24,pp. 1-7,2012,JCR،Scopus.
46. _,Design and construction of a new modified screen printed sensor for voltammetric determination of molybdenum vi) ions,Electroanalysis,Vol. 24,pp. 1-8,2012,JCR،Scopus.
47. _,Selective transport of Cu2 ions through bulk liquid membrane system mediated by erythromycin ethyl succinate,Separation Science and Technology,Vol. 46,pp. 215-223,2011,JCR،Scopus.
48. _,Solid phase extraction using silica gel modified with murexide for preconcentration of uranium (VI) ions from water samples,Journal of Hazardous Materials,Vol. 2,No. 163,pp. 861-868,2009,JCR،Scopus.
49. _,Uranyl ion-selective optical test strip,Dyes and Pigments,Vol. 1,No. 80,pp. 125-129,2009,ISI،JCR،Scopus.
50. _,Novel PVC membrane bulk optical sensor for determination of uranyl ion,Sensors and Actuators B: Chemical,Vol. 1,No. 135,pp. 139-144,2008,ISI،JCR،Scopus.
51. _,Synthesis of a new ion imprinted polymer material for separation and preconcentration of traces of uranyl ions,REACTIVE & FUNCTIONAL POLYMERS,Vol. 67,pp. 966-977,2007,JCR،Scopus.
52. _,Potentiometric sensing of Levamisole hydrochloride based on molecularly imprinted polymer,Sensors and Actuators B: Chemical,Vol. 122,pp. 158-164,2007,ISI،JCR،Scopus.
53. Mohammad ali Nasseri,,Triiodide-selective polymeric membrane electrodes based on Schiff base complexes of Cu (II) and Fe (III),Sensors and Actuators B: Chemical,Vol. 2,No. 98,pp. 174-179,2004,ISI،JCR،Scopus.
54. Mohammad ali Nasseri,,,,Copper Ion Selective Membrane Electrodes Based on Some Schiff Base Derivatives,Electroanalysis,Vol. 15,No. 15,pp. 1327-1333,2003,JCR،Scopus.
55. Mojtaba Shamsipur,Lead-selective poly(vinyl cholride) membrane electrode based on piroxicam as a neutral carrier,Sensors and Actuators B: Chemical,Vol. 2,No. 81,pp. 223-228,2002,ISI،JCR،Scopus.
56. _,Triiodide PVC Membrane Electrodes Based on Charge-Transfer Complexes,Analytical Chemistry,Vol. 11,No. 74,pp. 2591-2595,2002,ISI،JCR،Scopus.