Maryam Bordbar

Associate Professor of Analytical Chemistry

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I. PERSONAL INFORMATION:

Name: Maryam Bordbar
Date of Birth: 1975
Place of Birth: Qom, Iran
Marital Status: Married (3 sons)
Address: Department of Chemistry, University of Qom, Qom, Iran
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II. EDUCATIONAL RECORDS:

Degree	**Institution**	**Field**	**Date**
B.Sc	Kashan University	Applied chemistry	1998
M.Sc	Shahid Beheshti University	Analytical Chemistry	2000
Ph.D.	Tarbiat Modares Univ.	Analalytical Chemistry	2005

III. ACADEMIC EXPERIENCES:

1) Assistant professor, Islamic Azad University, Qom, Iran, (2005-2011).
2) Assistant professor, University of Qom, Qom, Iran, 2011-2017
3) Associate Professor, University of Qom, Qom, Iran, 2017-now

سوابق اجرایی:

معاون گروه شیمی در دانشگاه قم (۱۳۹۰ تا ۱۳۹۳)

مدیر دانشجویی دانشگاه قم (۱۳۹۳ تا ۱۳۹۷)

VI. SUPERVISION

1) Supervisor of 22 M.Sc. graduated students.

V. MEMBERSHIP OF SCIENTIFIC SOCIETIES:

1) Iranian Chemistry & Chemical Engineering Society (since 1993).

VI. REFEREE FOR JOURNAL ARTICLES SUBMITTED TO:

1) African Journal of Pharmacy and Pharmacology
2) Journal of Molecular Structure
3) Research on Chemical Intermediates (RINT)
4) Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry
5) Arabian Journal of Chemistry
6) Analytical letters
7) Journal of Applied & Computational Mathematics
8) Iranian Journal of Chemistry and Chemical Engineering (IJCCE)
9) Shimi va Mohandesi Shimi Iran (NSMSI)

10) Materials Today Communications
11) Bulgarian Chemical Communications
12) J og Photochemistry and Photobiology
13) Clean Technologies and Environmental Policy
14) Journal of the Australian Ceramic Society

VII. RESEARCH INTERESTS:

1) Spectroscopic studies of complex formation in aqueous solution
2) Acidity constant determination by spectroscopic & electrochemical methods
3) Interaction study of CT-DNA and different ligands and complexes by spectroscopic methods
4) Solid phase extraction and solid phase micro extraction.
5) Head space solid phase micro extraction.
6) Synthesis of nano composite for different application (ion-lithium battery, photo-catalyst, hydrogen storage)
7) Deposition of nanocomposit by electrophoretic deposition (EPD)
8) Nanostructures and their applications

VIII. ISI JOURNAL PAPERS

1) **Maryam. Bordbar**, Hamid. Reza. Bijanzadeh and Naader Alizadeh,
^{1}H NMR Study of Hindered Internal Rotation of Tetramethylthiuram Disulfide in Binary Dimethyl Sulfoxide-Chloroform Mixtures
Journal of the Chinese Chem ical Society, 51 (2004) 471-476).

2) Naader Alizadeh ,**Maryam Bordbar** and Mojtaba shamsipur,

Proton NMR Investigation of the stoichiometry, stability and exchange kinetics of Tl^{+} complexes with hexacylen and hexamethylhexacyclen in N,N-dimethylformamide solutions. Observation of a three-site exchange process,

Bull. Chem. Soc. Jpn., 78 (2005) 1763-1772.

3) **Maryam Bordbar**, Mojtaba Shamsipur, Naader Alizadeh,

^{1}H NMR studies of homo and mixed ligand complexes of Tl^{+} ion with several polyazamacrocycles.

Bioorganic & Medicinal Chemistry, 13 (2005) 2253–2262

4) Fereshteh Chekin, **Maryam Bordbar**, Yaghoub Fathollahi, Naader Alizadeh,

The interaction between ketamine and some crown ethers in common organic solvents studied by NMR: The effect of donating atoms and ligand structure,

Spectrochimica Acta Part A 63 (2006) 370–376

5) **Maryam Bordbar**, Mojtaba Shamsipur, Naader Alizadeh,

Thermodynamics studies of fluorescence quenching and complexation behavior of thallium (I) ion with some polyazamacrocycles,

Journal of Photochemistry and Photobiology A: Chemistry 178 (2006) 83–89

6) Hossein Dehghani, **Maryam Bordbar**, Sheida Rezakhani, and Mohamad Reza Mansournia. Spectrophotometric Studies of the Thermodynamics of Molecular Interaction between Some Free Base meso-Tetraarylporphyrins and SbF_3,

Bulletin of the Chemical Society of Japan, 81 (2008)711-715.

7) Hossein Dehghani, **Maryam Bordbar** and Sheida Rezakhani,

Thermodynamic studies of sitting-atop complexation between free base meso-tetraarylporphyrins and antimony (III) chloride in chloroform,

Journal of Coordination Chemistry 61 (2008) 1655-1662.

8) Hossein Dehghani, **Maryam Bordbar**, Mojtaba Mojiri-Foroushani, Somayeh Karami, Mohammad Reza Mansournia,

Synthesis, characterization and the thermodynamic study of Intermediate Sitting-atop (i-SAT) complexes of free base meso-tetraarylporphyrins with InCl3.

Inorganica Chimica Acta, 362 (2009) 1619-1623.

9) **Maryam Bordbar**, Ali Yeganeh-Faal, Jahanbakhsh Ghasemi, Mohammad Mahdi Ahari-Mostafavi, Nahid Sarlak, Mohammad Taghi Baharifard,

Simultaneous spectrophotometric determination of minoxidil and tretinoin by the H-point standard addition method and partial least squares.

Chemical Papers 63 (2009) 336–344.

10) Razieh Fazaeli, Hamid Aliyan, **Maryam Bordbar** and Esmaeel Mohammadi,

$H_3PW_{12}O_{40}$: Highly Efficient Catalysts for the Synthesis of Novel 1,3,5- Triaryl-2-Pyrazoline Derivatives,

The Open Catalysis Journal, 3 (2010) 79-82.

11) Razieh Fazaeli, Hamid Aliyan, Shadpour Malakpour, Zahra Rafiee, **Maryam Bordbar**,

Tungstophosphoric Acid Supported on Highly Organosoluble Polyamide (PW12/PA): Highly Efficient Catalysts for the Synthesis of Novel 1,3,5-Triaryl-2-pyrazoline Derivatives

Chinese Journal of Catalysis, 32 (2011) 582-588.

12) Zahra Aghajani, **Maryam Bordbar**, Mohammad Mahdi Ahari-Mostafavi, Maryam Rezaei-Bina, Jahanbakhsh Ghasemi, Oriental Journal of Chemistry, 27 (2011) 1005.

13) Razieh Fazaeli, Hamid Alian, Shahram Tangestaninejad, Esmaeel Mohammadi, **Maryam Bordbar**

Nanocasting, Template Synthesis, and Structural Studies on Cesium Salt of Phosphotungstic Acid for the Synthesis of Novel 1,3,5-Triaryl-pyrazoline Derivatives.

Chinese Journal of Catalysis, 33 (2012) 237-246.

14) Ali Yeganeh Faal, M. amini, Maryam Bordbar,

Determination of Hydrogen Peroxide in River Water Based on Catalytic Effect of TiO2 Nno Particle on Peroxy Oxalate Chemiluminescence of Trizin Dye Deriviative,

Global NEST journal, 4 (2012) 48-54.

15) Zohreh Mehri Lighvan, Anita Abedi, **Maryam Bordbar**,

Novel mononuclear zinc complexes with 2,20-dimethyl-4,40-bithiazole: Synthesis, crystal structure and DNA-binding studies,

Polyhedron, 42 (2012) 153–160.

16) Seyyed Javad Sabounchei, Mahbubeh Pourshahbaz, Mohammad Hasan Zebarjadian, Hassan Keypour, **Maryam Bordbar**

^{31}P NMR study of the stoichiometry and stability of several mercury(II) halides with a phosphorus ylide in different solvents,

Journal of Molecular Structure, 1034 (2013) 189-192

17) **Maryam Bordbar**, , Jahanbakhsh Ghasemi, Ali Yeganeh Faal and Razieh Fazaeli, Chemometric Modeling to Predict Aquatic Toxicity of Benzene Derivatives Using Stepwise-Multi Linear Regression and Partial Least Square,

Asian Journal of Chemistry, 25 (2013) 331-342.

18) **Maryam Bordbar**, Ali Yeganeh Faal, Mohammad Mahdi Ahari-Mostafavi, Mehrnaz Gharagozlou, Razieh Fazaeli,

Multi-wavelength spectrophotometric determination of acidity constants of some salicylaldimine derivatives

Journal of Molecular Liquid , 178 (2013) 70-77.

19) N. Sarlak, M. Adeli, M. Karimi, **M. Bordbar**, M.A. Farahmandnejad,

Quantitative study on the interaction of Ag^{+} and Pd^{2+} with CNT-graft-PCA (polycitric acid) in aqueous solution

Journal of Molecular Liquids 180 (2013) 39–44.

20) A. Ehsania, M.G. Mahjani, **M. Bordbar**, R. Moshrefi

Poly ortho aminophenol/TiO2 nanocomposite: Electrosynthesis and characterization

Synthetic Metals, 165 (2013) 51– 55

21) A. Ehsani, M.G. Mahjani, **M. Bordbar**, S. Adeli

Electrochemical study of anomalous diffusion and fractal dimension in poly ortho aminophenol electroactive film: Comparative study

Journal of Electroanalytical Chemistry 710 (2013) 29–35

22) Masoumeh Tabatabaee, **Maryam Bordbar**, Mitra Ghassemzadeh, Mozhgan Tahriri,

Marjan Tahrir, Zohreh Mehri Lighvan, Bernhard Neumüller

Two new neutral copper(II) complexes with dipicolinic acid and 3-amino-1H-1,2,4-triazole formed under different reaction conditions: Synthesis, characterization, molecular structures and DNA-binding studies

European Journal of Medicinal Chemistry 70 (2013) 364-371

23) Ali Yeganeh Faal, Bahare Jamalyan, **Maryam Bordbar**, Tavakol Heidary Shayeste and Masoud Salavati-Niasari

Response surface optimized peroxyoxalate chemiluminescence of octahydro-Schiff base derivative as new luminophor and study of the quenching effect of some cations, amino acids and cholesterol

luminescence the journal of biological and chemical luminescence: DOI 10.1002/bio.2662

24) **Maryam Bordbar**, Masoumeh Tabatabaee, Ali Yeganeh Faal, Zohreh Mehri Lighvan, Razieh Fazaeli

DNA Binding Properties of Water-Soluble Mixed Ligand Nickel (II) Complex with Calf Thymus DNA Using Different Instrumental Methods

Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry, 45, Issue 12 (2015)1882-1888.

25) **Maryam Bordbar**, Seyed Mohammad Vasegh, Somaye Jafari, Ali Yeganeh Faal

Optical and photocatalytic properties of Undoped and Mn-doped ZnO nanoparticles synthesized by hydrothermal method: Effect of annealing temperature

Iranian Journal of catalysis 5(2), 2015, 135-141.

26) Bahar khodadi, **Maryam Bordbar**

Sonochemical synthesis of undoped and Co-doped ZnO nanostructures and investigation of optical and photocatalytic properties

Iranian Journal of catalysis, 6 (1), 2016, 37-42.

27) **Maryam Bordbar**, MasoumehTabatabaee, Majid Alizadeh,ZohrehMehri lighvan, Hamid Reza Khavasi,Ali Yeganeh Faal, FaranakFallahian and Masoumehdolati

Synthesis, characterization,cytotoxicactivityand DNA-binding studies of Cobalt (II) Novel mixed-ligand complex containing pyridine-2,6-dicarboxylate ion and 2-aminopyrimidine

J IRAN CHEM SOC (2016) 13:1125–1132

28) **Maryam Bordbar**, Masoumeh Tabatabaee, Ali Yeganeh Faal, Zohreh Mehri lighvan, Fatemeh Khodaie, Shahla Mohammad Ganji

Interaction studies of DNA binding with new Cu(II) complex by spectrophotometric, spectrofluorometric, voltametric and circular dichroism techniques

Bulgharian Chemical Communication, 48, Issue 3 (2016) 422-429.

29) **Maryam Bordbar**, Touran Alimohammadi, Bahram Khoshnevisanc, Bahar Khodadadi, Ali Yeganeh-Faal

Preparation of MWCNT/TiO2-Co Nanocomposite Electrode by Electrophoretic Deposition and Electrochemical Study of Hydrogen Storage

International Journal of Hydrogen Energy, 40 (2015) 9613-9620.

30) **Maryam Bordbar**, Somayeh Jafari, Ali Yeganeh-Faal, Bahar Khodadadi

Influence of different precursors and Mn doping concentrations on the structural, optical properties and photocatalytic activity of single-crystal manganese-doped ZnO.

Journal of the Iranian Chemical Society.14 (2017) 897–906.

31) BAHAR KHODADADI, **MARYAM BORDBAR**, ALI YEGANEH-FAAL

Optical, Structural and photocatalytic properties of Cd-doped ZnO powders prepared via sol-gel method

J Sol-Gel Sci Technol (2016) 77:521–527.

32) **Maryam Bordbar**, Solmaz Forghni-Pilerood, Ali Yeganeh-Faal

Enhanced photocatalytic activity of sonochemical derived ZnO via the co-doping process

Iranian Journal of Catalysis 6(5), 2016, 415-42.

33) **Maryam Bordbar**, Zeinab Sharifi-Zarchi, Bahar Kgodadadi

Green synthesis of copper oxide nanoparticles/clinoptilolite using Rheum palmatum L. root extract: High catalyticactivity for reduction of 4-nitro phenol, rhodamine B and methylene blue

Journal of Sol-Gel Science and Technology. (2017) 81:724–733

34) **Maryam Bordbar**

Biosynthesis of Ag/almond shell nanocomposite as a cost-effective and efficient catalyst for degradation of 4-nitrophenol and organic dyes

RSC Advances. 2017;7(1):180-9.

35) **Maryam Bordbar**, Nafiseh Mortazavimanesh

Green synthesis of Pd/walnut shell nanocomposite using Equisetum arvense L. leaf extract and its application for the reduction of 4-nitrophenol and organic dyes in a very short time

Environ Sci Pollut Res (2017) 24:4093–4104

36) Bahar Khodadadi, **Maryam Bordbar**, Mahmoud Nasrollahzadeh

Achillea millefolium L. extract mediated green synthesis of waste peach kernel shell supported silver nanoparticles: Application of the nanoparticles for catalytic reduction of a variety of dyes in water

Journal of Colloid and Interface Science 493 (2017) 85–9.

37) Bahar Khodadadi, Maryam Bordbar, Ali Yeganeh-Faal, Mahmoud Nasrollahzadeh

Green synthesis of Ag nanoparticles/clinoptilolite using Vaccinium macrocarpon fruit extract and its excellent catalytic activity for reduction of organic dyes

Journal of Alloys and Compounds, 719 (2017) 82-88.

38) Ali Yeganeh-Faal, **Maryam Bordbar**, Neda Negahdar, Mahmoud Nasrollahzadeh

Green synthesis of the Ag/ZnO nanocomposite using Valeriana officinalis L. root extract: application as a reusable catalyst for the reduction of organic dyes in a very short time

IET Nanobiotechnology,11 (2017) 669 – 676.

39) **Maryam Bordbar**, Nafiseh Mortazavimanesh.

Biosynthesis of waste pistachio shell supported silver nanoparticles for the catalytic reduction processes.

IET nanobiotechnology 12 (2018) 939-945.

40) **Maryam Bordbar**

Biosynthesis of Ag/almond shell nanocomposite as a cost-effective and efficient catalyst for degradation of 4-nitrophenol and organic dyes.

RSC Advances 7.1 (2017): 180-189.

41) **Maryam Bordbar**, Neda Negahdar, and Mahmoud Nasrollahzadeh

Melissa Officinalis L. leaf extract assisted green synthesis of CuO/ZnO nanocomposite for the reduction of 4-nitrophenol and Rhodamine B.

Separation and Purification Technology 191 (2018): 295-300.

41) **Maryam Bordbar**, Javad Noori-Ahmadabadi, Ali Yeganeh-Faal, Reza Alizadeh

Application of Amine and Phosphotungstic Acid Groups as a Novel Bifunctional Fiber Coating in SPME-HPLC of Volatile Phenols in Water

Chromatographia, 80 (2017): 1605-1613.

42) Bahar Khodadadi, **Maryam Bordbar**, and Mahmoud Nasrollahzadeh Green synthesis of Pd nanoparticles at Apricot kernel shell substrate using Salvia hydrangea extract: catalytic activity for reduction of organic dyes.

Journal of colloid and interface science 490 (2017): 1-10.

43) **Maryam Bordbar**,Fariba Tavoosi, Ali Yeganeh-Faal, M. H. Zebarjadian.

Interaction study of some macrocyclic inorganic schiff base complexes with calf thymus DNA using spectroscopic and voltammetric methods.

Journal of Molecular Structure, 1152 (2018) 128-136.

IX. ISC JOURNAL PAPERS

1) Mojtaba Shamsipur, Ali Yeganeh faal, Mohamad Javad Chaichi and **Maryam Bordbar**

Evaluation and determination of kinetic and thermodynamic chemiluminescence characteristics of a novel peroxyoxalate system using two new triazine derivative

Journal of Applied Chemistry, 7 (2013) 11-22.

2) **Maryam Bordbar**, Bahar Khodadadi1, Niloufar Mollatayefe, Ali Yeganeh- Faal,

Influence of metal (Ag, Cd, Cu)-doping on the optical properties of ZnO nanopowder: Variation of band gap

Journal of Applied Chemistry, 8 (2013) 43-47.

3) Bahar Khodadadi, **Maryam Bordbar**, Maryam sajedi

Preparation, Characterization and Photocatalytic Activity of Ag-Cd-ZnO and Ag-Cu-ZnO Nanostructures

Journal of Applied Chemical Research, 8, 4, 35-44 (2014)

4) Ali Yeganeh Faal, Tavakol Heidary Shayeste, **Maryam Bordbar** and Bahar Jamalyan

Acidity Constants Determination of Triazine Dye Derivative in the presence of some Surfactants by Multiwavelength Spectrophotometric and Spectrofluorimetric

Current Chemistry Letters 3 (2014) 115–124.

6) **Maryam Bordbar**, Solmaz forghani-Pilerood, Ali Yeganeh-Faal, BaharKhodadadi

Effect of morphology on the photocatalytic behavior of ZnO nanostructures: low temperature sonochemical synthesis of Ni doped ZnO nanoparticles

Journal of Nanostructure 6(3), Summer (2016) 190-198,

۷) : بردبار مریم, فریبا طاووسی، علی یگانه فعال، اکبر رستمی ورتونی

مطالعه برهم کنش DNA تیموس گاوی با کمپلکس رنیم(I) تری کربونیل با لیگاند شیف باز دودندانه با روش های متفاوت طیف سنجی

پژوهش های کاربردی در شیمی (پژوهش های شیمی کاربردی)، ۱۳۹۷، دوره ۱۲ , شماره ۲و صفحه ۶۹ تا صفحه ۸۰ .

8) بهار خدادادی، فاطمه سادات آقامیری، مریم بردبار

بررسی کاهش کلسیم از آب‌های سخت به روش نورسنجی شعله‌ای با جاذب زئولیت X۱۳ اصلاح شده

پژوهش های کاربردی در شیمی (پژوهش های شیمی کاربردی)، ۱۳۹۹، دوره ۱۴ , شماره ۱ و صفحه ۳۷ تا صفحه ۴۷ .

X- مقاله های علمی–پژوهشی

۱) ندا دادرس، مریم اخباری، **مریم بردبار**، محمد رئوف درویش بررسی فعالیت پراکیسداسیون لیپید در عصارهی اتانولی برگ و ساقه گیاه، *فصلنامه علمی- تخصصی بیولوزی کاربردی دانشگاه آزاد واحد قم، شماره ۳، ۱۳۹۰*

۲) مریم اخباری، **مریم بردبار**، مژگان بختیاری، اثر زمان تشعشع امواج مایکروویو بر میزان استخراج ترکیبات فنلی در عصاره آبی گیاه Mentha spicata L ، ، *فصلنامه علمی- تخصصی بیولوزی کاربردی دانشگاه آزاد واحد قم، شماره ۳، ۱۳۹۰*

۳) مهدی شیرزاد سیبنی، محمد تقی صمدی، علیرضا رحمانی، علیرضا ختایی، **مریم بردبار** و محمد رضا ثمر قندی، بررسی کارائی فرایند فتوکاتالیستی UV/TiO_2 در جهت حذف کروم شش ظرفیتی از محیط های آبی مجله سلامت و محیط، فصلنامه علمی پژوهشی، دوره سوم، شماره سوم، پاییز ۱۳۸۹، صفحات ۲۶۱-۲۷۰.

۴) مریم اخباری، **مریم بردبار**، مهری دادگرنیا، اندازه گیری خاصیت آنتی اکسیدانی عصاره آبی .Allium cep L استخراج شده تحت مایکوویو، ، *فصلنامه علمی- تخصصی بیولوزی کاربردی دانشگاه آزاد واحد قم، شماره ۳، ۱۳۹۰*

XI) طرح های پژوهشی

۱) علی یگانه فعال (مجری طرح)، محمد دوست محمدی، **مریم بردبار (همکار طرح)**، جلالی،

مطالعه اثر خاکستر فضولات دامی بر مشخصات فیزیکوشیمیایی خاک های شور منطقه قم و آنالیز شیمیایی خاک حاصل و مقایسه با سایر تیمارهای خاک

محل اجرای طرح: دانشگاه پیام نور- مرکز قم (۱۳۹۲)

۲) **مریم بردبار (مجری طرح)**، معصومه دولتی (مجری طرح)، همکاران:علی یگانه، سندس حیدری کیا، صفورا نیک آفرین آلانق، زهره مهری لیقوان، دکتر فرانک فلاحیان، دکتر عبدالمحمدی، مهدی آقابابایی، نرگس شم آبادی، هدی ابوالحسنی،

بررسی فعالیت بیولوژیکی و ضد سرطانی کمپلکس های معدنی برروی سلولهای سرطانی

محل اجرای طرح: دانشگاه قم و دانشگاه علوم پزشکی قم (۱۳۹۲)

۳) **مریم بردبار (مجری طرح)**، مهندسی شکاف انرژی نانو ZnO با دوپ شدن کاتیون های فلزی مختلف (کبالت یا منگنز یا نیکل و یا آهن) و اثر آن در تجزیه نوری رنگ های آزو

محل اجرای طرح: دانشگاه قم، (۱۳۹۶)

۴) **مریم بردبار (مجری طرح)**، علی یگانه فعال،

بیوسنتز نانوذرات (نقره یا مس یا پالادیوم) بر روی بسترهای آلی مختلف از ضایعات کشاورزی و بستر معدنی با استفاده از عصاره گیاهان و برآورد فعالیت کاتالیستی آن در تخریب رنگ های آلی در آب و پساب ها

محل اجرای طرح: دانشگاه قم، (۱۳۹۷)

XII. BOOK PUBLICATIONS

۱) آزمایش های شیمی تجزیه، تالیف **مریم بردبار**، محمدتقی بهاری فرد، علی یگانه فعال، چاپ دوم، نشر محدث، ۱۳۹۱.

۲) دستینه کامپیوتر در شیمی، تالیف **مریم بردبار**، علی یگانه فعال، چاپ اول، نشر محدث، ۱۳۸۷.

پایان نامه ها:

۱) حذف یکی ازآفت کش های ارگانوفسفره از پساب ها توسط نانو گرافن اکسید و یا گرافن اکسید کاهش یافته مغناطیسی (RGO-Fe3O4) (۱۳۹۵)، زینب شریفی زارچی

۲) سنتز نانو ذرات نقره وپالادیم برروی بسترهای طبیعی و کاربرد آن در حذف رنگ¬های آلی از محیط¬های آبی (۱۳۹۶)، نفیسه مرتضوی منش

۳) طراحی الکترود اصلاح شده با ساختارهای گرافنی عامل دار شده برای شناسایی آلاینده سرب با روش ولتامتری برهنه سازی آندی (۱۳۹۹)، عاطفه آگاه

۴) مطالعه و بررسی کاهش کلسیم از آب های سخت به روش نشر شعله ای با استفاده از جاذب های طبیعی آلی و معدنی اصلاح شده (۱۳۹۷)، فاطمه السادات آقامیری

۵) بررسی و مطالعه کارآیی جاذب های سبز آلی (میوه کهورک و هسته سنجد) و معدنی (زئولیت و صدف) خام و اصلاح شده برای حذف ترکیبات فنلی از آب و پساب (۱۳۹۹)، مریم آقایوسفی

۶) حذف کروم شش ظرفیتی از آب های آلوده با استفاده از بسترهای سبز آلی (میوه کهورک و هسته زالزالک) و معدنی (زئولیت، صدف و پوست تخم مرغ) خام و اصلاح شده (۱۳۹۸)، بهاره درخشان

۷) حذف رنگ های آلاینده از آب و پساب با استفاده از بستر سبز آلی (میوه کهورک) و معدنی (زئولیت 13X) خام و اصلاح شده (۱۴۰۰)، ام البنین نوروزی

۸) تعیین آکریل‌آمید در مواد غذایی حرارت‌دیده با استفاده از استخراج فاز جامد و بررسی اثر پودر گیاهانی با خواص آنتی-اکسیدانی(قاصدک، زردچوبه و دارچین) بر کاهش تشکیل آکریل‌آمید (۱۳۹۹)، فرزانه طهماسبی

۹) استفاده از طراحی آزمایش در فرمولاسیون جوهر ماژیک وایت برد جهت بازیابی ماژیک های مستعمل دانشگاه قم (۱۳۹۹)، فاطمه ذبیحی

XIII. INTERNTIONAL CONFERENCEES

1) Quenching effect of some cations and amino acids on peroxyoxalate chemiluminescence of imino benzene derivative,

5th Basin Black sea Conference on Analytical chemistry (5BBCAc), Ordu University, Turkey

23-26 september 2009

2) Determination of acidity constant of dye derivatives by spectroflorimetric and spectrophotometric method in present of anionic, cationic, neutral surfactant and mixture solvent by multivariate curve resolution alternative least saquares

5th Basin Black sea Conference on Analytical chemistry (5BBCAc), Ordu University, Turkey

23-26 september 2009

3) Interaction study of DNA with mixed nitrogen donor ligands Cu(II)

7th Aegean Analytical Chemistry Days (AACD2010), 29 Sep-03 Oct,,Lesvos island Athen university, Greece, 2010.

4) Tiyanium dioxide nanoparticle-catalyzed peroxyoxalate chemiluminrscence of triazinyl dye derivative and its analytical applications

7th Aegean Analytical Chemistry Days (AACD2010), 29 Sep-03 Oct,,Lesvos island Athen university, Greece, 2010.

XI. IRANIAN CONFERENCEES

1) Comparative chemometric modeling for aquatic toxicity of structurally diverse compounds Using stepwise MLR, GA-PLS and PLS
*Jahan B. Ghasemi1 and **M. Bordbar**, 16th Iranian seminar of Analytical Chemistry, 28-30 Julay 2009, Hamedan, Bu Ali Sina University*

2) Spectrophotmetric determination of acidity constant of 7-amino-4methyl-coumarin in ethanol-water mixtures and in cationic, Anionic and nonionic surfactant solutions and CMC determination of these surfactants assisted MCR-ALS chemometrics method
*A. Yeganeh-faal1, F. Izadi1 , **M. Bordbar**, 16th Iranian seminar of Analytical Chemistry, 28-30 Julay 2009, Hamedan, Bu Ali Sina University*

3) Spectrophotometric and spectroflourimetric determination acidity constant of a triazinyl derivative and inspection of ethanol and surfactant agents (anionic-cationic-nonionic)
*A. Yeganeh-faal1, B. Jamalian1 , J. Ghasemi2, **M. Bordbar**, 16th Iranian seminar of Analytical Chemistry, 28-30 Julay 2009, Hamedan, Bu Ali Sina University*

4) Simultaneous Spectrophotometric Determination of Minoxidil and Tretinoin by H-Point Standard Addition Method (HPSAM) and Partial Least Squares (PLS)
***M. Bordbar**, bJ. Ghasemi, aM. M. Ahari- Mostafavi,aM. R. Zand monfared,, , 16th Iranian seminar of Analytical Chemistry, 28-30 Julay 2009, Hamedan, Bu Ali Sina University*

5) A study of the irradiation products of several nitrones with multivariate curve resolution-Alternating Least Squares method
***M. Bordbar**, A. Yeganeh faal, J. safaei – Ghomi, M. M.Ahari- Mostafavi, 16th Iranian seminar of Analytical Chemistry, 28-30 Julay 2009, Hamedan, Bu Ali Sina University*

6) Application of multivariate curve resolution alternative least squares to determination ofacidity constants of 4.4'-bis{[4-6-bis(2-hydroxyethyle)amino-1,3,5-triazin-2yl]amino}stilbene-2,2'-disulfonic-disodium salts from spectrophotometric and spectrofluorimetric spectra in percent of anionic,cationic, nonanionic surfactants and mixture solvents.
*A. Yeganeh-faal, T. H. Shayeste , J. Ghasemi, **M.Bordbar**, 16th Iranian seminar of Analytical Chemistry, 28-30 Julay 2009, Hamedan, Bu Ali Sina University*

7) Factorial Analysis and Simplex Optimization of a Peroxyoxalate Chemiluminescence of Trazinyl Derivative

*A. Yeganeh-faal, T. H. Shayeste, **M. Bordbar**, 16th Iranian seminar of Analytical Chemistry, 28-30 Julay 2009, Hamedan, Bu Ali Sina University*

8) Spectrophotometric and spectroflourimetric determination of acidity constant of 4,4-Bis {[4-6-anilino-1,3,5-triazin-2-yl]amino} stilbene 2,2-disulfonic acid-disodium salts in aqueous and micellear media at different concentration surfactants.
*A. Yeganeh-faal, M. Kolivand , **M. Bordbar**, 16th Iranian seminar of Analytical Chemistry, 28-30 Julay 2009, Hamedan, Bu Ali Sina University*

9) Quenching Effect of Some Cations and Amino Acids On Peroxyoxalate Chemiluminescence of tetraazapentacyclo Derivative
*A. Yeganeh-faal1, M. Kolivand1 , **M. Bordbar**, , M. Salavati, , 16th Iranian seminar of Analytical Chemistry, 28-30 Julay 2009, Hamedan, Bu Ali Sina University.*

10) Peroxyoxalate Chemiluminescence of a 1-(3-{[(6-{[(E)-1-(3-acetyl-2-hydroxyphenyl) methylidene]amino}-2-pyridyl)imino]methyl}-2-hydroxyphenyl)-1-ethanone as Fluorephor
*A. Yeganeh-faal, G. Dabaghian , M. Salavati, M.Haggo, **M. Bordbar**, 16th Iranian seminar of Analytical Chemistry, 28-30 Julay 2009, Hamedan, Bu Ali Sina University.*

11) Complexation Study of some metal ions such as :Ag^{+} ,Pd^{2+} ,Os^{4+} with Functionalized Multiwalled Carbon Nanotubes (MWNTs) by Spectrophotometic Method
*Nahid Sarlak, Mohsen Adeli, Mostafa Karimiaand, **Maryam Bordbar**, 16th Iranian seminar of Analytical Chemistry, 28-30 Julay 2009, Hamedan, Bu Ali Sina University.*

12) Spectrophotometric Simultaneous Determination Cobalt and Nickel Using 5-Br-PADAB in Alloys by Partial Least Squares
*Z. Aghajani, **M. Bordbar**, M. M. Ahari-Mostafavi, M. Rezai-Bina, 2th Iranian Biennial Seminar of Chemometrics- Urima University, 2009.*

13) Using Multivariate Curve Resolution Alternating Least Squares (MCR-ALS) to the Qquantitative Analysis of Retinoic Acid Isomers (Tretinoin, Isotretinoin and Alitretinoin) in Lotion Formulations
***M. Bordbar** , A. Yeganeh faal , M. M. Ahari- Mostafavi, 2th Iranian Biennial Seminar of Chemometrics- Urima University, 2009*

14) Factorial Analysis and Response Surface Optimization of a Peroxyoxalate Chemiluminescence of Trazinyl Derivative in the Presence and Absence of Some Surfactants
*A. Yeganeh-faal , T. H. Shayeste , J. Ghasemi , **M. Bordbar**, 2th Iranian Biennial Seminar of Chemometrics- Urima University, 2009*

15) Determination of Dissociasion Constant of Preotonated Form a Triazin Derivative Dye by Spectrophotometric and Spectroflourimetric Method: A Study Chemometrics approach, *A. Yeganeh-faal , G. Dabaghian , M. Haggo , **M. Bordbar**, 2th Iranian Biennial Seminar of Chemometrics- Urima University, 2009.*

16) New Design Device for Parameter Optimization in Nano TiO2-UVphotocatalytic Oxidation of Textile Dye
***Maryam Bordbar**, Ali Yeganeh Faal, Fatemeh Ansari, Zohreh Mehri*

17) 3D-QSAR study of anti-hypertension activity of benzazepinone derivatives using artificial neural networks
***Maryam Bordbar**, Mohammad Mahdi Ahari-Mostafavi*

18) Spectrophotometric and spectroflourimetric determination of Fe (III) in aqueous solutions basis on effect of them on fluorescence and absorbance of triazine derivative dye in the presence of CTAB
*A. Yeganeh-faal1, M. Amini , **M. Bordbar**, A. Afkhami*

19) Multivariate Spectroscopic Determination of protolytic constants of Some salisylidene Schiff Bases
***Maryam Bordbar**, Mehrnaz Gharagozlou, Ali Yeganeh Faal, Ahmad Mashayekhi Nezamabadi*

20) Determination of N-cethyl-N,N,N,trimethylammonium bromide (CTAB) with a dye intermediate in the presence of Triton X-100
*A. Yeganeh-faal, M. Amini1 , **M. Bordbar**, A. Afkhami , 16th Iranian seminar of Analytical Chemistry,University of Kshan,2010*

21) Synthesis, Characterization and Interaction Calf Thymus- DNA study of a Novel mixed ligand Cobalt (II0 complex

***Maryam Bordbar**, Masoumeh Tabatabae, Zohreh Mehri lighva, Majid Alizadeh 14th Iranian Inorganic Chemistry Conference, 28-29 Augus, Sharif University of Technology, 2012.*

22) Spectroscopic studies of the interactions of polymer-copper (II) complex with calf thymus DNA

*Masoumeh Tabatabaee, **Maryam Bordbar**, Zohreh Mehri lighvan 14th Iranian Inorganic Chemistry Conference, 28- 29 Augus, Sharif University of Technology, 2012.*

23) Synthesis of a new Cu(II) complex and Interaction Study of It with calf thymus DNA

*Fatemeh Khodayi, Masoumeh Tabatabaee, **Maryam Bordbar**, Zohreh Mehri lighvan3 14th Iranian Inorganic Chemistry Conference, 28- 29 Augus,Sharif University of Technology, 2012.*

24) Hydrogen adsorption in MWCNTs/TiO2nanocomposits after electrophoretic deposition on nano porous silver foam

Bordbar, Maryam*; Sabery, Alieh; Khoshnevisan, bahram; Gashtasebi, Mona, Annual Physics Conference of Iran, Yazd University, 2012*

25) Preparation of TiO2-Co-MWCNT Nanocomposite Electrode by Electrophoretic Deposition and Electrochemical Study of Hydrogen Storage

Touran Alimohammadi, Maryam Bordbar, Bahram Khoshnevisana; 2th Iranian National Battery Conference, Tehran, 2013

26) Preparation of MWCNT/TiO2-Co nanocomposite electrode by electrophoretic depositionalimohammadi-battery

*T. Alimohammadi, **M. Bordbar**, Bahar Khodadadi;* c*, 13-15 March 2014, Ilam University*

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28) Synthesis of CNT/TiO2-CoO-SiO2-Ag composite as anode material for Lithiumion Battery

*Mohammad Hosein Moazen, **Maryam Bordbar**, Ali Rahmanifar, Ali Yeganeh Faal, Bahar Khodadadi; 20th Iranian Analytical Chemistry Conference,25-27 February 2014, Isfahan University.*

30) Preparation of nanocomposite (Co, Mn) doped-ZnO for photodegradation of azo dye in wastewater

Mohammad Vasegh, **Maryam Bordbar**, Ali Yeganeh Faal, *20th Iranian Analytical Chemistry Conference,25-27 February 2014, Isfahan University.*

۳۱) تغییرات مس و کادمیوم دوپ شده در تغییرات باند گپ نانوساختار

*بهار خدادادی، **مریم بردبار**، محمد ثابتی، همایش ملی تحقیقات و دستاوردهای نوین در شیمی، ۷ اسفند ۱۳۹۲، دانشگاه آزاد اسلامی واحد گرگان*

31) Effects of different synthesis concentrations on photocatalytic degradation of organic dyes with manganese-doped ZnO nanoparticles

Somaye Jafari, **Maryam Bordbar**, Leila Hosseini, Ali Yeganeh Faalو *16th Iranian Inorganic Chemistry Conference. Bu-Ali sina University, 27-29 August 2014*

32) Influence of cobalt-doping on the optical properties of ZnO nanopowder synthesized by hydrothermal methods: Variation of band

Leila Hosseini, **Maryam Bordbar**, Somaye Jafari, Ali Yeganeh Faal; *16th Iranian Inorganic Chemistry Conference. Bu-Ali sina University, 27-29 August 2014*

33) Sonochemical preparation of ZnO-Ninanopowder for photodegration of azo dyes

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34) Spectrophotometric investigation, DNA-binding properties and cytotoxicity activities of transition metal complexes Mn(II),Cd (II),Zn (II)-cyclic Schiff base ligand

Maryam Bordbar, Fariba Tavosi, Mahdi Khaligh, Ali Yeganeh Faal; *7th Conference and Workshop in Mathematical Chemistry, Payam Noor University, Saveh, Iran, February 4 – 6, 2015*

35) Rheum palmatum root extract assisted green synthesis of Ag/ZnO Nanocomposites and investigation of its excellent catalytic activity for reduction of variety of dyes in water.

Neda Negahdar, **Maryam Bordbar**, *22nd Iranian Seminar of Analytical Chemistry, Chemistry & Chemical Engineering Research Center of Iran, 26-28 January 2016.*

36) Green synthesis of copper nanoparticles on Clinoptilolite zeolite for removal dyes in aqueous media.

Zeinab Sharifi, **Maryam Bordbar**, *22nd Iranian Seminar of Analytical Chemistry, Chemistry & Chemical Engineering Research Center of Iran, 26-28 January 2016.*

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