بهگام رحمانی وحید

دانشیار

دانشکده: مهندسی شیمی و مواد

گروه: شیمي

سوابق تحصیلی			
مقطع تحصیلی	**سال اخذ مدرک**	**رشته و گرایش تحصیلی**	**دانشگاه**
کارشناسی	۱۳۸۷	مهندسی شیمی، صنایع شیمیایی معدنی	سیستان و بلوچستان
کارشناسی ارشد	۱۳۹۰	مهندسی شیمی، فرآوری و انتقال گاز	فردوسی مشهد
دکتری	۱۳۹۶	مهندسی شیمی	صنعتی سهند تبریز

سوابق اجرایی

1. ریاست آزمایشگاه مرکزی 1398 - 1397
2. ریاست آزمایشگاه ها و کارگاه ها 1399 - 1398
3. رئیس گروه کارآفرینی و ارتباط با صنعت 1400 - 1399
4. مدیریت طرح و برنامه 1401 - 1400
5. رئیس گروه نظارت و ارزیابی 1403 تا --

جوایز و تقدیر نامه ها

1. استاد برتر آموزشی در مجتمع آموزش عالی فنی و مهندسی اسفراین (1400-1399)
2. استاد برتر استان خراسان شمالی (1400-1399)
3. پژوهشگر برتر مجتمع آموزش عالی فنی و مهندسی اسفراین (1401-1400)
4. مدیر شایسته تقدیر مجتمع آموزش عالی فنی و مهندسی اسفراین (مدیر ارتباط با صنعت)
5. پایان نامه شایسته تقدیر کشور در رشته مهندسی شیمی و مواد در هفدهمین جشنواره پایان نامه سال دانشجویی (جهاد دانشگاهی - 1397)
6. استفاده از خدمات مختلف بنیاد ملی نخبگان با احراز شرایط مورد نیاز بنیاد
7. استعدادهای درخشان دانشگاه (مقطع کارشناسی)

فعالیت های علمی و اجرایی

1. شورای پژوهش مجتمع آموزش عالی اسفراین
2. شورای علمی مرکز مطالعات بین المللی انرژی
3. کمیته علمی دومین کنفرانس ملی مواد نوین - یزد، ایران

4. کمیته اجرایی چهارمین کنفرانس بین المللی نانو مواد - کوردوبا، اسپانیا
5. شورای نخبگان استان جهت مشاوره به استاندار، خراسان شمالی
6. کمیته ترفیع اعضای هیات علمی، دانشکده مهندسی شیمی و مواد، مجتمع آموزش عالی اسفراین
7. هیات اجرایی جذب اعضای هیات علمی

مقالات در همایش ها

۱. Behgam Rahmanivahid, Mohammad Haghighi and Rafael Luque،Combustion Synthesis of MgAl۲O۴ Spinel as a Nanocatalyst Support for biofuels production،European Cooperation in Science and Technology،Malaga،۲۰۱۷ ۰۳ ۲۷.
2. 1. Amir Hossein Farhadinia, Hamed Naibzadeh, Fatemeh Shabanipour Meybodi, Behgam Rahmanivahid ,Enhancement of Natural Adsorbents (Kaolin and Zeolite) with Chitosan and Investigation of Their Performance in Removing Methylene Blue Dye from Water ,The 12th International Chemical Engineering Congress & Exhibition ,Tehran ,2023 10 15.
3. 2. Fatemeh Shabanipour Meybodi, Behgam Rahmanivahid, Hamed Naibzadeh, Amir Hossein Farhadinia ,Characteristics Evaluation of Modified Kaolin in The Removal of Dye Pollutant from Aqueous Solution ,The 12th International Chemical Engineering Congress & Exhibition ,Tehran ,2023 10 15.,
4. 3. Hamed Nayebzadeh, Behgam Rahmanivahid ,Influence of auxiliary fuel on the properties of alkaline mixed metal oxide catalyst fabricated by combustion method for biodiesel production ,The 11th International Chemical Engineering Congress & Exhibition ,Fouman ,2020 04 15.,
5. 4. Behgam Rahmanivahid, Fereshteh Naderi, Hamed Nayebzadeh ,Application of Different Magnetic Nanoparticles in Water Treatment: Methyl Orange Adsorption Evaluation ,The 11th International Chemical Engineering Congress & Exhibition ,2020 04 15.
6. Behgam Rahmanivahid, Mohammad Haghighi and Rafael Luque ,Synthesis Of MgO/MgAl2O4 Nanocatalyst By Combustion Method For Biodiesel Production ,6th International Conference on Nanomaterials ,Cordoba ,2017 02 25.
7. H. Nayebzadeh, N. Saghatoleslami, B. R. Vahid and A. Maskooki ,Synthesis of sulfated zircona supported by strontia and its effect on the production of biodiesel from waste edible oil ,2nd International Conference on Emerging Trends in Energy Conservation ,Tehran ,2013 03 15.
8. H. Nayebzadeh, B. R. Vahid, N. Saghatoleslami and A. Maskooki ,Preparation of novel nano-catalyst Sr/S-ZrO2 by solvent-free method and investigation the catalytic activity in esterification reaction ,4th International Conference on Nanostructures ,Kish ,2012 03 12.
9. B. R. Vahid, H. Nayebzadeh, N. Saghatoleslami and A. Maskooki ,Comparison between the activity of nano-catalysts of Al-promoted and pure sulfated zirconia and optimization of condition in esterification of oleic acid ,4th International Conference on Nanostructures ,Kish ,2012 03 12.,

مقالات در نشریات

1. H Nayebzadeh, B Rahmanivahid, B Maleki,Influence of fuel mixture on the performance of K/Ca–Al catalyst synthesized via solution combustion method for Microwave-Assisted biodiesel Production: Optimization study via RSM,Fuel,Vol. 405,pp. 136436,2026.
2. B Rahmanivahid, H Nayebzadeh, FS Meybodi, R Salehi,Optimized Synthesis and Adsorption Efficiency of Magnetic Spinel CuFe□O□ for Dye Removal from Aqueous Solutions,Chemical Engineering Research and Design,2025.
۳. E Kosaripour, B Rahmanivahid, H Nayebzadeh،Evaluation of red mud and Mg-Fe spinel as catalysts in the conversion of free fatty acids to biodiesel،Journal of Metallurgical & Materials Engineering،مجلد ۳۶،۲۰۲۵.

4. HAR Allami, H Nayebzadeh, B Rahmanivahid,Utilizing alpha alumina as a fuel additive to enhance the performance and reduce emissions of a diesel engine,Fuel,Vol. 371,pp. 132011,2024.
5. B Rahmanivahid, H Ajamein, T Zakizadeh, H Nayebzadeh,Fabrication of super basic BaxMg (1-x) Fe2O4 magnetic spinel nanocatalyst toward biodiesel production,Materials Research Bulletin,2023.
6. KM Al ,& Qaysi, B Rahmanivahid, A Badri, H Nayebzadeh,Green fuel production using MO/MgAl0. 4Fe1. 6O4 (MO□= □MgO, CaO, SrO, and BaO) as magnetic ceramic nanocatalysts,Journal of Industrial and Engineering Chemistry,2023.
7. B Rahmanivahid, H Nayebzadeh,Simple and Rapid Synthesis of Magnesium Spinel Catalysts for Production of Benzyl Toluene,Journal of Petroleum Research,2023.
۸. بهگام رحمانی وحید, محمد حقیقی‌پراپری،سنتز ترموشیمیایی اسپینل سرامیکی Mg-Al به‌ٔ عنوان پایه نانوکاتالیست MgO/MgAl۲O۴ برای تبدیل روغن گیاهی به سوخت سبز،پژوهش نفت،شماره ۲۸،شماره صفحات ۷۵،۲۰۱۸-۵۹.
9. H Nayebzadeh, H Ajamein, T Zakizadeh, B Rahmanivahid,Preparation of mixed spinel catalyst support (CaxMg1-xAl2O4) reinforced by calcium oxide toward in the biodiesel production from vegetable oil,International Journal of Green Energy,Vol. 4,No. 21,pp. 745-756,2023.
10. B Fattahi, M Haghighi, B Rahmanivahid, N Vardast,Green Fuel Production from Sunflower Oil Using Nanocatalysts Based on Metal Oxides (SrO, La2O3, CaO, MgO, Li2O) Supported over Combustion-synthesized Mg-spinel,Chemical Engineering Research and Design,No. 183,pp. 411-423,2022.
11. H Nayebzadeh, F Naderi, B Rahmanivahid,Effect of Doping Al Cations into MgFe2O4 Magnetic Structure for Efficient Removals of Methyl Orange Dye from Water,Journal of Inorganic and Organometallic Polymers and Materials,No. 31,pp. 776–789,2020.
12. H Nayebzadeh, F Naderi, B Rahmanivahid,Assessment the synthesis conditions of separable magnetic spinel nanocatalyst for green fuel production: Optimization of transesterification reaction conditions using response,Fuel,No. 271,pp. 117595,2020.
13. S Alaei, M Haghighi, B Rahmanivahid, R Shokrani, H Naghavi,Conventional vs. hybrid methods for dispersion of MgO over magnetic Mg–Fe mixed oxides nanocatalyst in biofuel production from vegetable oil,Renewable Energy,No. 154,pp. 1188-1203,2020.
14. B Rahmanivahid, F Naderi, H Nayebzadeh,Removing Methyl Orange Molecules from Aqueous Medium by Magnetic Nanoparticles: Evaluating adsorption factors, isotherms, kinetics and thermodynamics,Journal of Water and Environmental Nanotechnology (JWENT),No. 5,pp. 1-16,2020.
15. B Rahmanivahid, M Pinilla ,& de Dios, M Haghighi, R Luque,Mechanochemical Synthesis of CuO/MgAl2O4 and MgFe2O4 Spinels for Vanillin Production from Isoeugenol and Vanillyl Alcohol,Molecules,No. 24,pp. 2597,2019.
16. T Amani, M Haghighi, B Rahmanivahid,Microwave-Assisted Combustion Design of Magnetic Mg-Fe Spinel for MgO-Based Nanocatalyst Used in Biodiesel Production: Influence of Heating-Approach and Fuel Ratio,Journal of Industrial and Engineering Chemistry,No. 43,pp. 43-52,2019.
17. S Yousefi, M Haghighi, B Rahmanivahid,Role of glycine/nitrates ratio on structural and texture evolution of MgO-based nanocatalyst fabricated by hybrid microwave-impregnation method for biofuel production,Energy Conversion and Management,No. 182,pp. 251-261,2019.
18. B Rahmanivahid, M Haghighi,Thermochemical synthesis of Mg–Al ceramic spinel as support for MgO/MgAl2O4 nanocatalyst toward conversion of vegetable oil to green fuel,Journal of Petroleum Research,Vol. 102,No. 28,pp. 21-23,2019.
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.23 B Rahmanivahid, M Haghighi, S Alaei, J Toghiani,Reusability enhancement of combustion synthesized MgO/MgAl2O4 nanocatalyst in biodiesel production by glow discharge plasma .treatment,Energy Conversion and Management,No. 143,pp. 23-32,2017
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.26 B Rahmanivahid, M Haghighi,Urea-nitrate combustion synthesis of MgO/MgAl2O4 nanocatalyst used in biodiesel production from sunflower oil: Influence of fuel ratio on catalytic .properties and performance,Energy Conversion and Management,2016
.27 H Nayebzadeh, N Saghatoleslami, A Maskooki, B Rahmanivahid,Preparation of alumina supported super active sulfated zirconia and assessment of its activity in esterification .reaction,Chemical and Biochemical Engineering Quarterly,2014
.28 H Nayebzadeh, N Saghatoleslami, A Maskooki, B Rahmanivahid,Effect of calcination temperature on catalytic activity of synthesis SrO/S-ZrO2 by solvent-free method in esterification .of oleic acid,Chemical and biochemical engineering quarterly,2013
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