



رزومه تحصیلی و اجرایی

نام خانوادگی: جمالی مقدم

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عضو هیات علمی مهندسی نفت دانشگاه گرمسار

سوابق تحصیلی:

۱. مقطع کارشناسی: رشته شیمی محض - دانشگاه صنعتی شاهرود - معدل: ۱۴/۹۸
۲. مقطع کارشناسی ارشد: رشته شیمی معدنی - دانشگاه اصفهان - معدل: ۱۷/۸۵
۳. فارغ التحصیل دکتری شیمی معدنی - دانشگاه اصفهان - معدل: ۱۷/۵

فعالیت پژوهشی:

۱. سنتز و شناسایی ترکیبات آلی و معدنی
۲. سنتز کاتالیست و کاربرد ها
۳. محاسبات تئوری
۴. بررسی تئوری ترکیبات حساس به نور و فتوکرومیک

فعالیت‌های آموزشی:

۱. مدرس دروس شیمی عمومی، شیمی آلی و معدنی، و دروس آزمایشگاه شیمی (دانشگاه اصفهان)
۲. مدرس شیمی معدنی پیشرفته فراگیر پیام نور، موسسه دانش پژوهان اصفهان (دوره دکتری)
۳. مسلط به کامپیوتر و آشنا به نرم افزارهای Gaussian\ Gaussview, Turbomole

فعالیت اجرایی:

- مدیر کتابخانه مرکزی دانشگاه گرمسار ۱۳۹۶-۹۸
- مدیر گروه دروس عمومی دانشگاه گرمسار از سال ۹۹-۱۳۹۵
- معاون دانشجویی و فرهنگی دانشگاه گرمسار ۹۸-۹۹

- 1- Synthesis and characterization of hybrid-POM $[W_{12}O_{40}].xH_2O.L_5$ and investigation of its catalytic activity in Xanthenes reactions
17th Iranian Seminar of Organic Chemistry -University of Mazandaran, 13-15 October 2010
- 2- Preparation and characterization of hybrid-POM $[W_{12}O_{40}].xH_2O.L_5$ and investigation of its catalytic activity in Dihydropyrimidiniones reactions
12th Iranian Seminar of Inorganic Chemistry -University of Guilan, 10-12 September 2010
- 3- Photoswitching of Salicylidenemethyl Furylamine: A Theoretical Photodynamics Study
20th Iranian Seminar of Physical Chemistry Conference-University of Arak, 10-12 September 2017
- 4-Excited State Proton Transfer Process In The 2-hydroxy -N-Salicylidene Schiff Base
20th Iranian Seminar of Physical Chemistry Conference-University of Arak, 10-12 September 2017.
- 5- Bidentate Schiff base as a photochromic compound
19th Iranian Seminar of Physical Chemistry, Chemistry and Chemical Engineering Research Center of Iran, 6-7 September 2017.
- 6- Synthesis of xanthenes by hybrid ionic liquid -kegging hetropolyoxometalate
25th Iranian Seminar of Organic Chemistry Iran University of Science and Technology, Tehran 2-4, September 2017.
- 7- Synthesis of dihydropyrimidinones by hybrid ionic liquid -kegging hetropolyoxometalate. 25th Iranian Seminar of Organic Chemistry Iran University of Science and Technology, Tehran 2-4, September 2017.
- 8- Enol-keto switching in N-Salicylidene-2-Bromoethylamine Schiff base ligand. 23th Iranian Chemistry and Physics Conference. University of kerman.2022.
- 9-Enol-keto swching Schif base ligand Salicylidenemethyl Furylamine23th Iranian Chemistry and Physics Conference. University of kerman.2022.
- 10-Preparation of a zeolitic imidazolate framework/graphene nanocomposite as an electrochemical sensor for simultaneous detection of adrenaline and uric acid. The 7th Iranian Chemical Society Zeolite Conference. ranian Research Institute of Chemistry and Chemical Engineering.2022.
- 11- Heterogeneous desulfurization using H_2O_2 as Oxidant by a Recyclable Organic-Inorganic Polyoxometalate-based Frameworks Catalyst. The 7th Iranian Chemical Society Zeolite Conference. ranian Research Institute of Chemistry and Chemical Engineering.2022.
- 12- A green Hybrid Of $(bmim)_5[W_{12}CoO_{40}].3H_2O$ catalyzed desulfurization using H_2O_2 as Oxidant. 3th Catalyst Conference of the Iranian Chemical Society. Iranian Research Organization for Science and Technology.Tehran. 2022.
- 13- An Effective Polyoxometalate- Ionic Liquid Heterogeneous Catalyst to

- 1- A Theoretical Investigation of Excited State Proton Transfer Process in the N-salicylidene-2-bromoethylamine. **J. Phys. Chem. A.** **2013**, 117, 718–725
- 2- Photophysics of a Schiff base: theoretical exploration of the excited-state deactivation mechanisms of N-salicylidene-methylfurylamine (SMFA), **Phys.Chem.Chem.Phys**, **2014**, 16, 2417
- 3- Catalyst-Free and Green Synthesis of Some Novel Benzamide Derivatives. **J. Heterocyclic. Chem.** **2014**, 1, 10.
- 4- Crystal structure, spectroscopic characterization and computational studies of a Re(I) tricarbonyl-diimine complex with the *N,N'*-bis(2-methylbenzaldehyde)-1,2-diiminoethane Schiff base. **Polyhedron.** **2014**, 76, 22.
- 5- Green oxidation of sulfides to sulfoxides and sulfones with H₂O₂ catalyzed by ionic liquid compounds based on Keplerate polyoxometalates. **Catalysis Communications.** **2017**, 98, 71.
- 6- An organic-inorganic heterogeneous catalyst based on Keplerate polyoxometalates for oxidation of dibenzothiophene derivatives with Hydrogen peroxide. **Appl Organometal Chem.** **2018**, 4275.
- 7- Comparison of biodiesel production from *Dunaliella salina* teodor and *Chlorella vulgaris* microalgae using supercritical fluid technique. **S. Afr. J. Chem. Eng.** **2022**, 150.
- 8- Development of evaporation technique for concentrating lead acid wastewater from the battery recycling plant, by nanocomposite ceramic substrates and solar/wind energy. **J. Environ. Manage.** **2023**, 116980.
- 9- Synthesis of green ceramic adsorbent for the treatment of tire factory effluent containing lead, zinc, aluminum, cobalt, iron and manganese ions. **Results in Engineering.** **2024**. 102590.
- 10- A novel, extreme simple modification of low-cost pencil graphite electrode (PGE) by single-walled carbon nanotube/pyrenebutyric acid (SWCNT/PBA) nanostructure for sensitive and selective detection of adrenaline. **J Mater Sci: Mater Electron.** **2025**.233.
- 11- Mo132-Ionic Liquid As An Effective Hybrid Catalyst For Selective Epoxidation of Different Alkenes with H₂O₂. **Catalysis Letters** .**2025**.70.

۱- سنتز و مطالعه تئوری رنگدانه های حساس به نور، رطوبت و دما. تابستان ۱۳۹۵