



بهرام دبیر

استاد دانشکده مهندسی شیمی

متولد ۱۳۳۰

تلفکس: ۶۴۵۴۲۶۴۴

تلفن: ۶۴۵۴۳۱۷۲

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سوابق تحصیلی:

- فوق دکترای مهندسی شیمی دانشگاه ایالتی میشیگان آمریکا بین ۱۳۶۱-۱۳۶۲
- دکترای مهندسی شیمی دانشگاه ایالتی میشیگان با رتبه اول بین دانشکده های مهندسی این دانشگاه-۱۳۶۱
- کارشناسی ارشد مهندسی شیمی دانشگاه ایالتی آیوا-آمریکا-۱۳۵۷
- کارشناسی مهندسی شیمی دانشگاه صنعتی شریف (دوره پنجم)

افتخارات و جوایز

- استاد برجسته مهندسی منتخب فرهنگستان علوم-۱۳۹۷
- استاد نمونه کشوری-۱۳۷۹
- استاد نمونه دانشگاه صنعتی امیرکبیر- چند دوره مختلف
- فارغ التحصیل برجسته دکتری کالج مهندسی دانشگاه ایالتی میشیگان- ۱۳۶۱
- تربیت حداقل ۶۰ استاد در سطح دانشگاه های داخلی و خارجی که در زمینه های مختلف مهندسی شیمی، مهندسی مواد و فرایندهای پیشرفته در حال فعالیت می باشند

مهارت های حرفه ای و زمینه های تحقیقاتی:

- مدلسازی پدیده های انتقال
- مدلسازی تشکیل رسوب واکس و آسفالتین و تضمین جریان تولید نفت
- شبیه سازی و مدلسازی فرآیندهای نفت و گاز، مطالعات مخازن نفتی، طراحی و مدلسازی صنایع شیمیایی نفت، گاز، پتروشیمی، پالایش و تهیه نرم افزارهای تخصصی
- مدلسازی و بررسی آسیب سازند و تضمین جریان تولید از مخازن نفتی
- پلیمریزاسیون و فرآیندهای شکل دهی پلیمرها و پلیمریزاسیون
- بهبود خواص آسفالت با کمک افزودنی های پلیمری به منظور تهیه آلیاژهای مهندسی آسفالت
- آب، محیط زیست ، آلودگی هوا و ریزگردها

عضویت های حرفه ای

- عضو کمیته تخصصی HSE سال، شرکت ملی نفت ایران سال ۷۹
- عضو کمیته تخصصی HSE سال، شرکت ملی نفت ایران سال ۸۲
- عضو شورای راهبردی پژوهشکده نفت، گاز و پتروشیمی از سال ۹۴

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- عضو شورای راهبردی پژوهشکده توسعه پایدار، آب و محیط زیست از سال ۹۷
 - عضو هیات ریشه دانشگاه صنعتی امیرکبیر
 - عضو شورای راهبردی دانشگاه امیرکبیر
 - عضو شورای عمومی دانشگاه امیرکبیر
 - عضو کمیته هماهنگی هیات ممیزه دانشگاه
 - عضو کمیته منتخب و ارتقاء دانشکده مهندسی شیمی
 - عضو شوراهای آموزشی و پژوهشی دانشکده مهندسی شیمی
 - عضو و رئیس شورای علمی پردیس مواد و فرآیندهای پیشرفته از سال ۹۷
 - عضو و رئیس شورای پردیس مواد و فرآیندهای پیشرفته از سال ۹۷
 - عضو شورای راهبردی پژوهشکده فناوری های نو از سال ۹۷-۹۹
 - عضو شورای راهبردی پژوهشکده نفت، گاز و پتروشیمی از سال ۹۷-۹۹
 - عضو کمیسیون تخصصی هیات ممیزه سال ۹۲
 - عضو هیات ممیزه دانشگاه صنعتی امیرکبیر از سال ۹۶
 - عضو شورای عالی برنامه ریزی وزارت علوم در مهندسی شیمی و رئیس گروه برنامه ریزی در مهندسی نفت
 - عضو کمیته ارتقاء علمی وزارت علوم، تحقیقات و فناوری و سازمان پژوهش های علمی و صنعتی ایران
 - عضو کمیته ارتقاء علمی دانشگاه صنعتی امیرکبیر، از سال ۱۳۸۷ در چندین دوره
 - عضو شورای عالی مخازن وزارت نفت از سال ۱۳۹
 - عضو مرکز "امور مشاوران حقوقی، وکلا و کارشناسان" قوه قضاییه از سال ۱۳۸۶
 - همکار مدعو گروه علوم مهندسی فرهنگستان علوم از سال ۱۴۰۱ و عضو کارگروه مهندسی شیمی هوش مصنوعی و کارگروه اتاق فکر
 - عضو کمیته تخصصی کشوری رشته "نفت، پتروشیمی و فرآورده های شیمیایی مرکز وکلا و کارشناسان رسمی و مشاوران خانواده قوه قضاییه" سال ۱۴۰۴
 - عضو هیئت تحریریه نشریه علمی پژوهشی امیرکبیر در زمینه های مهندسی مکانیک، مهندسی برق، مهندسی عمران، مهندسی شیمی و علوم پایه کاربردی در سال ۱۴۰۴
 - عضو وابسته فرهنگستان علوم جمهوری اسلامی ایران ، مهر ۱۴۰۴
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مقالات و تالیفات بین المللی و ملی:

- بیش از ۳۶۰ مقاله منتشر شده که حداقل ۲۴۵ مقاله آن در مجلات معتبر ISI می باشد. (قابل دسترسی از سایت "www.scopus.com" و "google scholar Citations")
 - انتشار بیش از ۱۵۰ گزارش رسمی در ارتباط با فعالیت های صنعتی
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تأییدیه ها و مجوزها

- کارشناس قوه قضاییه در رشته مهندسی نفت و پتروشیمی از سال ۱۳۸۶ تا کنون و مسئول آموزش و رتبه بندی کارشناسان
- کارشناس استاندارد سازمان ملی استاندارد ایران از سال ۱۳۹۱

- مشاور حفاظت فنی و خدمات ایمنی وزارت کار و امور اجتماعی در زمینه بررسی و اندازه گیری عوامل زیان آور شیمیایی از سال ۱۳۸۶
- مشاوره حفاظت فنی و خدمات ایمنی وزارت کار و امور اجتماعی در زمینه آموزش ایمنی از سال ۱۳۸۶

سمت ها و مسئولیت های اجرایی:

- رئیس پردیس مواد و فرآیندهای پیشرفته (شامل دانشکده های مهندسی شیمی، مهندسی پلیمر و رنگ، مهندسی مواد و متالورژی و مهندسی نساجی) دانشگاه صنعتی امیرکبیر از سال ۱۳۹۷ تا ۱۴۰۲
- مدیر انستیتو تضمین جریان نفت در دانشکده مهندسی شیمی دانشگاه صنعتی امیرکبیر، از سال ۱۳۹۹ تا کنون
- مجری طرح ایجاد انستیتو تبدیل کاتالیستی نفتا (CCR) و انجام مطالعات پژوهشی و فناوریانه به منظور تحقق راهبرد توسعه فناوری مرتبط با تولید دانش فنی فرآیند و کاتالیست تبدیل کاتالیستی نفتا (CCR)، شرکت ملی پالایش و پخش فرآورده های نفتی ایران، از سال ۱۳۹۹ تا ۱۴۰۱
- مجری بخش آسفالتین طرح ازدیاد برداشت از میدان نفتی دارخوین، شرکت نفت و گاز اروندان از سال ۱۳۹۳ تا کنون
- رئیس دانشکده مهندسی نفت دانشگاه صنعتی امیرکبیر از سال ۱۳۹۳ تا ۱۳۹۷
- رئیس دانشکده مهندسی شیمی دانشگاه صنعتی امیرکبیر از سال ۱۳۸۲/۱۲/۱ تا ۱۳۸۵/۱۲/۱
- رئیس دانشکده مهندسی شیمی و پلیمر دانشگاه صنعتی امیرکبیر از سال ۱۳۶۷ الی ۱۳۷۰
- رئیس پژوهشکده انرژی و طراحی فرآیند دانشگاه صنعتی امیرکبیر ۱۳۷۸ الی ۱۳۸۹
- عضو شورای عالی مخازن وزارت نفت از سال ۱۳۹۳
- کارشناس استاندارد سازمان ملی استاندارد ایران از سال ۱۳۹۱
- همکار تحقیقاتی مورد تأیید وزارت نفت در زمینه شبیه سازی دینامیک مخزن، نفت سیاه و سفید، ترکیبی و مدل سازی حرارتی، از سال ۱۳۹۰
- عضو کمیته ارتقاء علمی دانشگاه صنعتی امیرکبیر، از سال ۱۳۸۷ در چندین دوره.
- عضو کمیته ارتقاء علمی وزارت علوم، تحقیقات و فناوری و سازمان پژوهش های علمی و صنعتی ایران
- عضو شورای عالی برنامه ریزی وزارت علوم در مهندسی شیمی و رئیس گروه برنامه ریزی در مهندسی نفت
- رئیس انجمن مهندسی شیمی ایران دو دوره از سال ۱۳۶۷ تا ۱۳۷۰ و از سال ۱۳۸۰ تا ۱۳۸۴ و برگزاری چندین دوره کنگره ملی و بین المللی در زمینه های مهندسی شیمی، نفت و پلیمر
- مدیر عامل شرکت KGETCCO (اجرای چندین قرارداد با شرکت ملی نفت ایران در زمینه محیط زیست و HSE در صنعت نفت و گاز، و چندین قرارداد مطالعات جامع مخازن با شرکت ملی نفت ایران از سال ۱۳۸۴ تا ۱۳۸۶
- محقق ارشد ازدیاد برداشت از مخازن نفتی وزارت نفت سال ۱۳۶۲ الی ۱۳۶۵
- مهندس فرآیند پالایشگاه شیراز وزارت نفت سال ۱۳۵۲ الی ۱۳۵۴
- مدیر عامل شرکت مهندسین مشاور ناموران سیمتک (فعال در زمینه مهندسی مخازن و صنایع بالادستی نفت و انجام بیش از ۷ پروژه با شرکت نفت و گاز ICOFC)، از سال ۱۳۸۳-۱۳۷۸
- کارشناس رسمی دادگستری، عضو کمیته بررسی صلاحیت کارشناسان رسمی دادگستری در گرایش نفت، گاز و پتروشیمی و صنایع شیمیایی از سال ۱۳۸۵

- مشاوره حفاظت فنی و خدمات ایمنی وزارت کار و امور اجتماعی در زمینه آموزش ایمنی از سال ۱۳۸۶
- مشاور حفاظت فنی و خدمات ایمنی وزارت کار و امور اجتماعی در زمینه بررسی و اندازه گیری عوامل زیان آور شیمیایی از سال ۱۳۸۶
- راه اندازی پژوهشکده انرژی و طراحی فرآیند دانشگاه صنعتی امیرکبیر ۱۳۷۸
- مدیر ارتباط با صنعت دانشگاه صنعتی امیرکبیر ۱۳۷۱-۱۳۷۵
- راه اندازی و نوسازی چندین آزمایشگاه دانشکده مهندسی شیمی دانشگاه صنعتی امیرکبیر (آزمایشگاه سیالات، آزمایشگاه حرارت، آزمایشگاه کنترل و آزمایشگاه عملیات واحد و آزمایشگاه تحقیقاتی و آموزشی از سال ۱۳۷۰)
- راه اندازی مرکز محاسبات نرم افزاری صنایع بالادستی نفت در دانشکده مهندسی نفت دانشگاه صنعتی امیرکبیر

همکاری های تحقیقاتی و مشاوره با صنایع زیر:

- بخش های تحقیقاتی، ازدیاد برداشت، پخش و پالایش نفت و گاز وزارت نفت
- صنایع پتروشیمی
- صنایع پلیمری و صنایع تایر سازی
- صنایع شیمیایی و دارویی
- مرکز تحقیقات پلیمر
- وزرات معادن
- شرکت مترو
- تأسیس، راه اندازی واحدهای صنعتی و فعالیت در بخش های خصوصی

تعداد دانشجویان کارشناس، کارشناسی ارشد و دکتری به عنوان استاد راهنما و مشاور از سال ۱۳۷۵ تا کنون

تعداد دانشجویان کارشناسی حداقل ۶۰ نفر

کارشناسی ارشد حداقل ۲۴۸ نفر

دکتری: حداقل ۶۵ نفر

مشاور و داور: ۴۰۰

مقالات منتشر شده بین المللی:

1. M.Zarei, B. Dabir, N. Esmaeilian, D.M. Warsinge, "Biomimetic bumpy and eco-friendly slippery surfaces for enhanced dew and fog water harvesting: Journal of Water Process Engineering, 2025.
2. A.Karimirahnama, M.Mozaffarian, B.Dabir, NE.Amrabadi,"Assessment of simultaneous removal of salt and dye by utilizing capacitive deionization and UV-electro oxidation hybrid process in saline wastewater treatment" Desalination, 2025.
3. SY Masouleh, M Mozaffarian, B Dabir, "Landfill leachate treatment using sequential natural zeolite adsorption and peroxymonosulfate activated by UV/Fe²⁺ system: Effects of main operating parameters and application of fluorescence EEM to monitor organic matters' transformation", Journal of Environmental Chemical Engineering,2024.
4. M.Razghandi, S.A.Madani, C.Ghotbi, SH.Ayatollahi, B.Dabir, A.Hemmati-Sarapardeh, "Effect of asphaltene flocculation size on deposition using a modified quartz crystal microbalance in-house setup and microscopic image analysis: Model oil, inhibitory and nanoparticle solutions case studies", Geoenergy Science and Engineering,2024.
5. G.Kooti, B.Dabir, C.Butscher, R.Taherdangkoo, "A constrained machine learning surrogate model to predict the distribution of water-in-oil emulsions in electrostatic fields", Scientific Reports,2024.

6. S.F.Hosseini, M.Mozaffarian, B.Dabir, H.EA Van den Akker, "A coupled DEM-CFD analysis of asphaltene particles agglomeration in turbulent pipe flow", *Chemical Engineering Journal*, 2024
7. AR. Moheb, F.Najafi, M.Mozaffarian, B. Dabir, N.Esmaeilian, "Fluid dynamics and erosion analysis in industrial naphtha reforming: A CFD-DPM simulation approach", *Powder Technology*, 2024.
8. G. Kooti, B.Dabir, R.Taherdangkoo, C. Butscher, "Modelling droplet size distribution in inline electrostatic coalescers for improved crude oil processing", *Scientific Reports*, 2023.
9. M.A Bagrezaie, B. Dabir, F.Rashidi, A.R. Moazzeni, "Modeling of formation damage during smart water flooding in sandstone reservoirs" *Scientific Reports*, 2023.
10. AR.G Ghamsari, M.Mohseni, N.Esmaeilian, A.Naderifar, B.Dabir, "Design of a new fountain reactor for contamination degradation using advanced oxidation processes with hybrid techniques and modeling evaluation", *Environmental Science and Pollution Research*, 2023
11. Marziyeh Salehzadeh, Maen M Husein, Cyrus Ghotbi, Vahid Taghikhani, Bahram Dabir, Investigating the role of asphaltenes structure on their aggregation and adsorption/deposition behavior, *Geoenergy Science and Engineering*, 2023.
12. A Rezaeipour, B Dabir, M Ahmadi, Data-driven approach to dynamic uncertainty quantification of oil well production: Decline curve analysis and Hidden Markov Model, *Geoenergy Science and Engineering*, 2023
13. N Esmaeilian, N Rabiei, M Mahmoudi, B Dabir, "Asphaltene Structure Determination: FTIR, NMR, EA, ICP-OES, MS, XRD and Computational Chemistry Considerations", *Journal of Molecular Liquids*, 2023.
14. L Esfahanizadeh, B Dabir, F Goharpey "c of the flow behavior around a PDC drill bit: effects of nano-enhanced drilling fluids on cutting transport and cooling efficiency" *Engineering Applications of Computational Fluid Mechanics* 16 (1), 977-994, 2022.
15. E Zeinedini, B Dabir, M Dadvar, "Integrating computational fluid dynamic, artificial intelligence techniques, and pore network modeling to predict relative permeability of gas condensate" *Scientific Reports*, 12, 21457, 2022/12/12.
16. A Edrisi, M Dadvar, B Dabir, "Predicting Interfacial Tension via the Entrainment Master Curve of a Bubble Rising through the Immiscible Liquids Interface", *Chemical Engineering & Technology* 45 (12), 2150-2158. 2022/12
17. M Lotfi, AF Chimeh, B Dabir, AH Mohammadi "Computational Fluid Dynamics Modeling of the Pressure Drop of an Iso-Thermal and Turbulent Upward Bubbly Flow Through a Vertical Pipeline Using Population Balance Modeling Approach" *Journal of Energy Resources Technology* 144 (10), 102102, 2022.
18. M Salehzadeh, MM Husein, C Ghotbi, B Dabir, V Taghikhani, "In-depth characterization of light, medium and heavy oil asphaltenes as well as asphaltenes subfractions" *Fuel* 324, 124525. 2022.
19. Mohammad Amin Bagrezaie, Bahram Dabir, Fariborz Rashidi, "A novel approach for pore-scale study of fines migration mechanism in porous media" Vol. 216, Num. 110761, Page 1-16, June 2022, *journal of petroleum science and engineering*
20. S.Yasamani Masouleh, M.Mozaffarian, B.Dabir, S.Fallah Ramezani, "COD and ammonia removal from landfill leachate by UV/PMS/Fe²⁺ process: ANN/RSM modeling and optimization" Vol. 159, Num. 1, Page 716-726, March 2022, *journal of process safety and environmental protection*.
21. M.Ebrahimian Mashhadi, M.Mozaffarian, M.Mohseni, M.Jafarikojoor, B.Dabir, "Evaluation of synergistic effects of coupling capacitive deionization (CDI) and UV oxidation processes for saline water treatment", *Journal of Environmental Chemical Engineering*, Vol. 10, Num. 1, Page 1-13, February 2022,
22. M.Salehzadeh, M.M. Husein, C.Ghotbi, V.Taghikhani, B.Dabir, "An integrated approach for predicting asphaltenes precipitation and deposition along wellbores", Vol. 203, Num. 1, Page 1-13, February 2022, *Journal of petroleum science and engineering*
23. A.Abbasi, B.Dabir, "CellSys: An open-source tool for building initial structures for bio-membranes and drugdelivery systems" Vol. 43, Num. 5, Page 331-339, December 2021, *journal of computational chemistry*
24. M.A.Shojaiepour, F.Rashidi, B.Dabir, M.Amirsardari, "Investigation of Foam Injection Scenarios to Control the Gas Oil Ratio in Carbonate Reservoirs with Permeability Heterogeneity: Simulation

- of the Process in an Oil Reservoir Sector”, *Petroleum Research*, Vol. 31, Num. 4, Page 3-14, October 2021
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 26. M Salehzadeh, MM Husein, C Ghotbi, V Taghikhani, B Dabir. “An integrated approach for predicting asphaltene precipitation and deposition along wellbores”, *Journal of Petroleum Science and Engineering*, (2021), 203,1.
 27. MMM Farahi, M Ahmadi, B Dabir. “Model-based multi-objective particle swarm production optimization for efficient injection/production planning to improve reservoir recovery” (2021), *The Canadian Journal of Chemical Engineering*.
 28. M Khazayinejad, M Hafezi, B Dabir. “Peristaltic transport of biological graphene-blood nanofluid considering inclined magnetic field and thermal radiation in a porous media”, (2021), *Powder Technology*, 384,1.
 29. H Bagherzadeh, Z Mansourpour, B Dabir. “Numerical analysis of asphaltene particles evolution and flocs morphology using DEM-CFD approach”, (2021), *Journal of Petroleum Science and Engineering*.199,1.
 30. R Saghaian Larijani, M Ghadiri, M Hafezi, M Jafarikojour, B Dabir. “Evaluation of mass and photon transfer enhancement by an impinging jet atomization photoreactor for photocatalytic degradation of *p*-nitrophenol”, (2021), *Journal of Photochemistry & Photobiology, a: Chemistry*. 408, 113088.
 31. M Shakiba, E Khamsehchi, A Fahimifar, B Dabir. “A mechanistic study of smart water injection in the presence of nanoparticles for sand production control in unconsolidated sandstone reservoirs”, (2020), *Journal of Molecular Liquids* 319, 114210.
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		مدت قرارداد	تاریخ شروع	
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۲	مشاور شرکت پتروشیمی شیراز در افزایش ظرفیت کوره آهک	یکسال	۱۳۷۷	پتروشیمی شیراز
۳	تدوین دانش فنی واحد پیشتاز تولید پلی وینیل الکل	۱۲ ماه	۱۳۷۸	شرکت ملی صنایع پتروشیمی
۴	تعیین استاندارد مصرف انرژی آبگرمکن برقی	یکسال	۱۳۷۹	وزارت نیرو
۵	تعیین استاندارد مصرف انرژی چیلر	یکسال	۱۳۷۹	وزارت نیرو
۶	بهینه‌سازی آرایش مبدل‌های حرارتی واحد پیش گرم نفت خام پالایشگاه اراک	یکسال	۱۳۷۹	پالایشگاه اراک
۷	بهینه‌سازی آرایش مبدل‌های حرارتی واحد الفین بندر امام	یکسال	۱۳۸۰	پتروشیمی بندر امام
۸	جایگزینی کاتالیست HF با کاتالیست های جدید	یکسال	۱۳۸۰	طرح ملی
۹	تدوین دانش فنی تولید PVC به روش امولسیون	دوسال	۱۳۸۰	شرکت پتروشیمی
۱۰	خدمات تحقیقاتی در زمینه بررسی و مطالعه گاز مایع	یکسال	۱۳۸۱	شرکت پالایش و پخش
۱۱	اجرای طرح توسعه نرم افزارهای شبیه سازی بهره برداری: نرم افزار پیش بینی تشکیل آسفالتین در فرآیندهای تزریق و تولید در چاهها و تاسیسات بهره برداری	۲۴ ماه	۱۳۸۱	شرکت ملی نفت ایران-مدیریت پژوهش و توسعه-۶۱۵۴۹۷۳-۰۲۱
۱۲	انجام مطالعات Bench Marking برای شرکت پالایش و پخش فرآورده‌های نفتی	یکسال	۱۳۸۲	شرکت پالایش و پخش
۱۳	تهیه نرم افزار تعادلات فازی آسفالتین	دوسال	۱۳۸۳	وزارت نفت
۱۴	تهیه نرم افزار تعادلات فازی واکس	دوسال	۱۳۸۳	وزارت نفت
۱۵	طرح تأسیسات سطح الارضی و تهیه ناحیه عملیات ایمن پوش گاز	دوسال	۱۳۸۳	وزارت نفت
۱۶	تهیه نرم افزار جریان چند فازی داخل CASING و لوله های انتقال	دوسال	۱۳۸۳	وزارت نفت
۱۷	بررسی سرعت مجاز گاز طبیعی در فشارهای مختلف	۱۲ ماه	۱۳۸۴	شرکت گاز قم

۱۸	بررسی و مدل‌سازی پدیده خوردگی در خطوط لوله زیر دریا و بهینه سازی میزان تزریق مواد ضد خوردگی	۱۶ ماه	۱۳۸۶	شرکت پتروپارس
۱۹	تدوین استاندارد معیار مصرف و برچسب انرژی برای گرمکن‌های صنعتی با روش انتقال حرارت جابجایی در محدوده ظرفیت‌های کمتر از ۷۵ کیلووات و ۳۰۰-۷۵	یکسال	۱۳۸۶	سازمان بهینه سازی مصرف سوخت کشور
۲۰	اصلاح تیرگی میعانات گازی در منطقه آغار، دالان و هما و تابناک	۱۶ ماه	۱۳۸۷	نفت مناطق مرکزی
۲۱	مدلسازی انتشار آلودگی هوای شهر تهران	۱۲ ماه	۱۳۸۷	سازمان حفاظت محیط زیست- ۸۸۲۶۷۹۹۱
۲۲	امکان سنجی فنی - اقتصادی طرح CCHP حرم مطهر حضرت علی ابن موسی الرضا(ع) و طرح توسعه آن و مطالعات امکان سنجی فنی- اقتصادی طرح CCHP و انرژی منطقه‌ای (District Energy) شهر جدید پرد	۱۰ ماه	۱۳۸۸	سازمان بهینه سازی مصرف سوخت کشور ۰۶-۴۷۶۰۴۸۶۰-۲۱
۲۳	تهیه و توسعه نرم افزار برای شبیه سازی و تحلیل داده های چاه آزمایشی مخازن نفت و گاز بر پایه مدل های تحلیلی و عددی	۴۸ ماه	۱۳۹۱	شرکت ملی مناطق نفت خیز جنوب
۲۴	طرح کلان ملی " مدیریت یکپارچه تولید از میدان گازی پارس جنوبی با تکیه بر انتقال و توسعه فناوری در حوزه های صنایع بالادستی، میان دستی و پایین دستی"	پنج سال	۱۳۹۱	وزارت علوم، تحقیقات و فناوری (شورای عتف)
۲۵	حمایت از اجرای پایان نامه دوره کارشناسی ارشد با موضوع شبیه سازی و مقایسه یک سیکل ترکیبی حاوی آب شیرین کن تبخیری و یک سیکل ترکیبی توربین گاز حاوی آب شیرین کن تبخیری با نرم افزار Aspen plus و سپس انتخاب سناریوی مطلوب تر با هدف بهینه سازی راندمان و بازگشت سرمایه	۱۸ ماه	۱۳۹۲	شرکت مدیریت پروژه های نیروگاهی ایران (مپنا)
۲۶	انجام مطالعات پژوهشی و مشاوره‌ای به منظور توسعه فناوری ها در جهت بهینه سازی فرآیندهای تولید و افزایش ضریب برداشت در مخزن نفتی فلهیان میدان دارخوین بر اساس رویکردهای پژوهش محور و مبتنی بر فناوری های روز جهانی و برنامه ریزی و اقدام در جهت تعریف و اجرای برنامه‌های آموزشی و حمایت از رساله های مقاطع تحصیلات تکمیلی	۱۲ ماه	۱۳۹۳	شرکت ملی نفت ایران و شرکت نفت و گاز اروندان
۲۷	طرح کلان ملی ذخیره سازی زیر زمینی نفت و گاز		۱۳۹۲	وزارت علوم، تحقیقات و فناوری

۲۸	تهیه بسته نرم‌افزاری جامع ترمودینامیکی و سینتیکی جهت استفاده در عملیات ذخیره‌سازی گاز در گنبد‌های نمکی	یکسال	۱۳۹۴	دانشکده فنی دانشگاه تهران انستیتو مهندسی نفت-۸۸۳۳۳۰۵۸
۲۹	انجام مطالعات پژوهشی و مشاوره‌ای به منظور توسعه فناوری ها در جهت بهینه سازی فرآیندهای تولید و افزایش ضریب برداشت در میدان نفتی دارخوین	یکسال	۱۳۹۸	شرکت نفت و گاز اروندان
۳۰	ایجاد انستیتو تبدیل کاتالیستی نفتا (CCR) و انجام مطالعات پژوهشی و فناوریانه به‌منظور تحقق راهبرد توسعه فناوری مرتبط با تولید دانش فنی فرآیند و کاتالیست تبدیل کاتالیستی نفتا (CCR)	۵ سال	۱۳۹۹	شرکت ملی پالایش و پخش فرآورده‌های نفتی ایران
۳۱	تجمیع حوزه های نفتی با هدف کاهش تنوع مواد تعلیق شکن در راستای بهینه سازی مصرف و کاهش هزینه های مرتبط براساس سنتز مواد مناسب	۱۸ ماه	۱۴۰۰	شرکت ملی مناطق نفت خیز جنوب
ردیف	موضوع قرارداد	در حال انجام		کارفرما
		مدت قرارداد	تاریخ شروع	
۳۲	انجام آزمایشات ویژه برای تضمین جریان و حفظ سقف تولید ناشی از رسوب مواد هیدروکربنی سنگین (طرح پیشنهاد ساخت تجهیزات دستگاهی ویژه برای تضمین جریان و حفظ سقف تولید)	دو سال	۱۳۹۹	شرکت نفت و گاز اروندان
۳۳	طراحی، فرمولاسیون، تهیه و ارزیابی فنی- اقتصادی ترکیب‌های مایع یونی (Ionic Liquids) به عنوان مواد شیمیایی موثر جهت به کارگیری در فرایند جداسازی آب از نفت خام	۱۸ ماه	۱۴۰۳	شرکت ملی مناطق نفت خیز جنوب