

رزومه

اطلاعات شخصی:

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سوابق آموزشی:

کارشناسی: مهندسی شیمی - صنایع شیمیایی معدنی (دانشگاه شهید باهنر کرمان، 1375-1379)

کارشناسی ارشد: مهندسی شیمی - صنایع غذایی (دانشگاه صنعتی شریف، 1381-1379)

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علاق و زمینه های تخصصی:

بیوتکنولوژی محیط زیست شامل:

فروشویی زیستی پسماندهای جامد خطرناک

زیست پالایی خاکهای آلوده به مواد نفتی و تصفیه پسابهای صنعتی

تولید آنزیمهای صنعتی و پلیمرهای زیستی مورد استفاده در محیط زیست

بیوتکنولوژی غذایی

مدلسازی ریاضی و شبیه سازی فرآیندهای بیولوژیکی

مدلسازی آماری و بهینه سازی فرآیندهای شیمیایی و بیوشیمیایی

تجارب و دروس تدریس شده:

بهینه سازی فرآیندها (مقاطع ارشد و دکترا)

بیوتکنولوژی محیط زیست (مقطع دکترا)

مباحث نوین در بیوتکنولوژی (مقطع دکترا)

مباحث ویژه در مهندسی محیط زیست (مقطع دکترا)

شبیه سازی و مدلسازی فرآیندهای بیولوژیکی (مقطع ارشد و دکترا)

طرحهای پژوهشی اجرا شده و یا در دست اجرا:

13 طرح اجرا شده و 4 طرح در دست اجرا

تعداد دانش آموختگان راهنمایی شده و یا دانشجویان تحت راهنمایی:

4 پژوهشگر پسادکترای هدایت شده

12 دانش آموخته راهنمایی شده در مقطع دکترا، 5 دانشجوی دکترا تحت راهنمایی

42 دانش‌آموخته راهنمایی شده در مقطع کارشناسی ارشد، 4 دانشجوی کارشناسی ارشد تحت راهنمایی

تعداد دانش‌آموختگان مشورت داده شده و یا دانشجویان تحت مشاوره:

18 دانش‌آموخته مشورت داده شده در مقطع دکترا، 2 دانشجوی دکترا تحت مشاوره

23 دانش‌آموخته مشورت داده شده در مقطع کارشناسی ارشد، 2 دانشجوی کارشناسی ارشد تحت مشاوره

انتشارات:

کتابها

۱- تالیف کتاب با عنوان "فروشویی زیستی پسماندهای جامد"، انتشارات دانشگاه تربیت مدرس، 1398

۲- ترجمه کتاب با عنوان "روشهای بازیافت پسماندهای الکترونیکی"، انتشارات دانشگاه تهران، 1398

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- 5- T. Amani, **S.M. Mousavi**, M. Nosrati, “*CFD Simulation of Syntrophic Anaerobic Digestion of Volatile Fatty Acids in a Continuous Stirred Reactor*”. In: *Engineering Applications of Computational Fluid Dynamics*, Chapter 11, pp. 403-435, 2011, Published by **International Energy and Environment Foundation**.
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- 3- H. Hosseini, M. Kokabi, **S.M. Mousavi**, “*Fabrication of nanofiber aerogel based on bacterial cellulose using supercritical method*”, Registration No.: 90163, **2017**. Evaluated by: Iranian Research Organization for Science and Technology.

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