بیوگرافی علمی

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زمینه های تحقیقاتی دانشجویان تحت راهنمایی:

۱. سنتز و شناسایی نانوساختارها و میکروساختارها، به ویژه اکسیدهای فلزی مخلوط و کاربرد آنها به عنوان کاتالیزور، ذخیره سازی هیدروژن و غیره
۲. شیمی کوئوردیناسیون عناصر واسطه به ویژه شیمی کوئوردیناسیون لیگاندهای باز شیف
۳. مطالعه‌ی برهمکنش کمپلکسهای عناصر واسطه با برخی مولکول‌های مهم به لحاظ زیستی
۴. داکینگ مولکولی

تاریخ تولد: ۱۳۵۵/۴/۲ **محل تولد**: تهران

آدرس محل کار: گروه آموزشی شیمی، دانشکده علوم پایه، دانشگاه سمنان، سمنان، ایران

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نمره ارزش یابی دفاع: دفاع با درجه عالی

زمینه تحقیقاتی: سنتز ترکیبات دو هسته ای و مطالعه ویژگی های همیار آنها

سنتز و مطالعه‌ی ویژگی‌های کمپلکس‌های حاصل از بازهای شیف

استاد راهنما: دکتر داور محمدی بقاعی

فرصت مطالعاتی

دانشگاه کارلتون شهر اتاوا کشور کانادا ۲۰۰۶

مطالعه‌ی اثر اغتشاش در فضای کئوردیناسیون داخلی کمپلکس های والانس مخلوط

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زمینه تحقیقاتی: سنتز ترکیبات سه هسته‌ای و مطالعه ویژگی‌های مغناطیسی آنها

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تاریخ شروع: بهمن ماه ۱۳۷۴

تاریخ فارغ التحصیلی: تیر ماه ۱۳۷۸

شرکت در آزمون کنکور سراسری کارشناسی ارشد و کسب رتبه ۹ کنکور سراسری

دیپلم:

دبیرستان دکتر شریعتی تهران

تاریخ فارغ التحصیلی: خرداد ماه ۱۳۷۳

سمینارهای ارایه شده:

۱- سنتز و مطالعه ویژگی هایکمپلکس های سه هسته ای با عناصر آهن و منگنز (ششتمین کنگره تخصصی شیمی معدنی ایران – دانشگاه مشهد –۱۳۸۰)

۲- سنتز لیگاند های شیف باز نامتقارن از نوع N_2O_2 و کمپلکس های Co^{II} آنها (کنگره شیمی و مهندسی شیمی ایران- دانشگاه تربیت معلم تهران –بهمن ماه ۱۳۸۲)

۳- سنتز شیف بازهای جدید وانادیل و بررسی خواص مکانوکرومیسمی و سولواتوکرومیسمی آنها (هشتمین کنگره تخصصی شیمی معدنی ایران – دانشگاه تربیت معلم تبریز – شهریور ماه ۱۳۸۳)

۴- سنتز و مطالعه کمپلکس‌های دو هسته ای $Cu^{II}M^{II}$ با یونهای M = Mn, Co, Ni, Cu and Pb (هشتمین کنگره تخصصی شیمی معدنی ایران – دانشگاه تربیت معلم تبریز – شهریور ماه ۱۳۸۳)

۵- استفاده از تکنیک EPR در تعیین ساختارهای ترکیبات معدنی (دانشگاه صنعتی شریف – آبان ماه ۸۱)

۶- واکنشگری دو هسته ای (دانشگاه آزاد ورامین – ۱۳۸۴)

۷– سنتز و مطالعه کمپلکس های دو هسته ای بر پایه لیگاند های کوپه ای (دانشگاه سمنان – فروردین ۱۳۸۵)

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طرح‌های پژوهشی انجام شده:

۱. تاثیر لیگاند پل ساز بر ویژ گی های انتقال الکترون یک سری از کمپلکس های دو هسته ای با والانس مخلوط روتنیوم (II/III)، دانشگاه سمنان، ۱۳۸۸

۲. بررسی ویژگی‌های کاتالیزوری کمپلکس‌های غیرهمگن باز شیف از نوع N_4، دانشگاه سمنان، ۱۳۸۹

۳. تهیه‌ی نانوذرات Fe_3O_4/Ru و کاربرد کاتالیزوری آنها در طراحی پیل‌های سوختی

۴. سنتز و شناسایی نانو مواد پیروکلر $Ln_2Ti_2O_7$ (Ln=Y, Yb, Er, Eu, Nd, La, Dy) با استفاده از روش هیدروترمال و حالت جامد بعنوان سنسور اکسیژن در دمای بالا. **صندوق حمایت از پژوهشگران و فناوران،** خاتمه ۱۴۰۱

تالیف کتاب :

شیمی معدنی ، انتشارات علوی ، ۱۳۸۶

ترجمه کتاب:

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