

## رزومه

### مشخصات فردی

نام: مهدی

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تلفن همراه: ۰۹۱۲۹۴۲۷۱۰۵

### مشخصات تحصیلی

مقطع تحصیلی	رشته و گرایش	معدل	دانشگاه	شهر محل تحصیل	تاریخ شروع	تاریخ پایان
کارشناسی ارشد	علوم و فناوری نانو-نانوشیمی	۱۸/۴۰	دانشگاه کاشان	کاشان	۸۹	۹۱
دکتری	علوم و فناوری نانو-نانوشیمی	۱۹/۱۲	دانشگاه کاشان	کاشان	۹۱	۹۵
پسادکتری	علوم و فناوری نانو-نانوشیمی		دانشگاه کاشان	کاشان	۹۶	۹۷

### افتخارات

- دریافت تسهیلات رفاهی از بنیاد ملی نخبگان در سال ۹۷
- دریافت سهمیه‌ی پسادکتری از فدراسیون سرامدان علمی ایران در سال ۹۵
- دریافت جایزه تحصیلی از بنیاد ملی نخبگان در سال ۹۴
- دارای شرایط استعداد درخشان در مقاطع کارشناسی، کارشناسی ارشد و دکتری
- رتبه اول دانشگاه کاشان در مقطع کارشناسی ارشد
- رتبه دوم دانشگاه کاشان در مقطع دکتری
- ۵۰ مقاله ISI

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  3. Facile sonochemical synthesis of Cu doped CeO<sub>2</sub> nanostructures as a novel dual-functional photocatalytic adsorbent, **M Mousavi-Kamazani**, F Azizi, **Ultrasonics Sonochemistry**, (2019), 104695.
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#### طرح پژوهشی:

۱- تهیه و شناسایی نانوذرات کامپوزیتی مس/مس(II) اکسید/بیسیموت وانادات با مورفولوژی مکعب مستطیلی از طریق

روش سل-ژل برای سولفورزدایی فوتوکاتالیزوری تیوفن مجری، دانشگاه سمنان، خاتمه در سال ۱۳۹۸

۲- سنتز ساختارهای Al<sub>2</sub>O<sub>3</sub> با مورفولوژی خاص و تخلخل بالا به روش هیدروترمال و تثبیت آنزیم‌های تجزیه کننده

اورگانوفسفات‌ها بر روی آن به عنوان بستر

مقالات علمی پژوهشی:

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2. M. Panahi-Kalamuei, M. Mousavi-Kamazani, M. Salavati-Niasari, Facile Hydrothermal Synthesis of Tellurium Nanostructures for Solar Cells, JNS 4 (2014) 459- 465.

### کنفرانس خارجی:

M. Mousavi-Kamazani, M. Salavati-Niasari, Preparation of Stoichiometric Cu<sub>2</sub>S Nanoparticles by Ultrasonic Method, *PROCEEDINGS OF THE INTERNATIONAL CONFERENCE NANOMATERIALS: APPLICATIONS AND PROPERTIES* Vol. 2 No 2, 02PCN02(3pp) (2013)

سوابق تدریس تدریس خواص نانو مواد و نانوترمودینامیک در دانشگاه کاشان، نانوشیمی، نانوفیزیک، تکنولوژی و علم ساخت لایه‌های نازک نانومتری، روش‌های مشخصه‌یابی نانو ساختارها و ترمودینامیک پیشرفته در دانشگاه سمنان

### موضوع پایان‌نامه کارشناسی ارشد (نمره : ۲۰)

تهیه و شناسایی نانو ساختارهای  $MInS_2$  [ $M=Cu(I), Ag(I)$ ] و  $Cu_2S$  با استفاده از امواج فراصوت و مایکروویو و بررسی رفتار آن‌ها در سلول‌های خورشیدی

Preparation and characterization of  $MInS_2$  [ $M=Cu(I), Ag(I)$ ] and  $Cu_2S$  nanostructures via ultrasonic and microwave methods and investigation their behavior in solar cells

استاد راهنما: دکتر مسعود صلواتی نیاسری

### موضوع رساله دکتری (نمره : ۲۰)

تهیه و شناسایی نانوکامپوزیت‌های  $CuInS_2(CIS)-Cu_2S$ ,  $AgInS_2(AIS)-Ag_2S$  و  $CdIn_2S_4(CdIS)-CdS$  با روش‌های دوست‌دار محیط زیست و ساده‌ی شیمیایی برای استفاده در سلول‌های خورشیدی

Preparation and characterization of  $CuInS_2(CIS)-Cu_2S$ ,  $AgInS_2(AIS)-Ag_2S$ , and  $CdIn_2S_4(CdIS)-CdS$  nanocomposites via eco-friendly and simple chemical methods for solar cells

### دروس تخصصی گذرانیده شده در دوره کارشناسی ارشد و دکتری

- شیمی کوانتوم ۱ و ۲
- خواص نانو مواد
- ترمودینامیک آماری
- اسپکتروسکوپی در مقیاس نانو
- اسپکتروسکوپی در شیمی معدنی
- ساخت نانو مواد
- نانوفناوری محاسباتی
- نانوترمودینامیک
- نانوکاتالیزورها
- شناسایی و تعیین ساختار نانو مواد ۲
- روش‌های ساخت نانو مواد ۲