



دانشگاه صنعتی امیرکبیر  
(پلی تکنیک تهران)

پست الکترونیک:

[kowsarie@aut.ac.ir](mailto:kowsarie@aut.ac.ir)

شماره تماس:

:(Scopus) h-index

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ارجاعات (Scopus):

4046



الهه کوثری

استاد

دانشکده شیمی

گروه آموزشی شیمی کاربردی و آلی

## رساله‌های دکتری

#	عنوان پایان‌نامه	توسط	تاریخ دفاع
1	سنترز و شناسایی نانو کامپوزیت های گرافن عاملدار شده با ارگانوسیلان ها و پلیمر هادی به منظور کاربرد در ابر خازن های الکتروشیمیایی	محمد دشتی نجفی و الهه کوثری	اسفند 1400
2	سنترز و شناسایی ترکیبات آلی نیتروژن دار با استفاده از واکنشهای چند جزئی	آمنه الدغلاوی و الهه کوثری	شهریور 1399
3	سنترز و اصلاح گرافن بر پایه ترکیبات نیتروژن و اکسیژن دار و پوشش دهی روی الکتروود و بررسی خواص ابرخازنی آن	محمدباقر بخشنده و الهه کوثری	اردیبهشت 1399
4	سنترز نانوکامپوزیتهای پایه پلیمری باگرافن عامل دار، BCN و چارچوب فلز- آلی جهت بررسی کاربرد آنها در پوشش های جاذب امواج الکترومغناطیسی	محدثه محمدی مردخی و الهه کوثری	اسفند 1398
5	سنترز کامپوزیتهای پلیمری جدید بر پایه گرافن اکساید احیاء شده عاملدار شده به منظور کاربرد در تشخیص و درمان سرطان	محمد جواد جهانشاهی و الهه کوثری	آذر 1398
6	سنترز کامپوزیت های گرافن عامل دار/ چهارچوب آلی فلزی برای اصلاح سطح الکتروود در ابرخازن	فرشاد بوربور ازدری و الهه کوثری	مهر 1397
7	ساخت نانو کامپوزیت های چارچوب های فلز- آلی بر پایه لیگاندهای مشتقات بنزن کربوکسیلیک اسیدها و بررسی عملکرد آنها در حذف آلاینده های منتخب در محیط آبی	سهیل عبدپور و الهه کوثری	مهر 1397
8	شکست فتو کاتالیستی آب توسط نانو کاتالیست های هتروساختار با مورفولوژی کنترل شده سطحی	بهروز بذری و الهه کوثری	بهمن 1396
9	سنترز مشتقات بنزایمیدازول و 2، 4، 5 - تری آریل ایمیدازول با استفاده از گرافن اکساید عامل دار شده به عنوان کاتالیست های جدید و محاسبات آروماتیسیتیه بعضی از محصولات	هیثم حنون و الهه کوثری	دی 1395

آبان 1395	نعیمه سیف وندلیقوانی و الهه کوثری	10 سنتز و اصلاح نانو ساختار های اکسید تیتانیوم / گرافن اکسید عامل دار شده با مایع یونی به منظور حذف برخی آلاینده های هوا
اسفند 1394	محمد هادی قاسمی و الهه کوثری	11 اثر سیززیک مایع های یونی و نانو کاتالیست ها در سنتز مواد اولیه داروهای آداپالن ، ترانیل سیپرومین فبتاهیلستین و پرامپیکسول

## پایان نامه های کارشناسی ارشد

#	عنوان پایان نامه	توسط	تاریخ دفاع
1	نانو کامپوزیتهای بر پایه ی کربن متخلخل مشتق شده از ضایعات گوشت/ مایع یونی ایمیدازولی/ گرافن عاملدار، به منظور کاربرد در ابرخازن با کارایی بالا	زهرا سادات سیدحسینی و الهه کوثری	خرداد 1401
2	سنتز و ارزیابی خواص ابرخازنی نانوکامپوزیت گرافن اکساید عامل دار/مایع یونی بر پایه ایمیدازلیوم/ کربن مشتق شده از زیست توده	یوسف معرفاوی و الهه کوثری	اسفند 1400
3	سنتز گرافن اکسید عاملدار شده و کامپوزیت آن با کمپلکس های حاوی فلزات واسطه برای بهبود عملکرد ابرخازن های هیبریدی	رئوف علی اکبری و الهه کوثری	بهمن 1400
4	سنتز نانوکامپوزیت های جدید بر مبنای گرافن ربیون /مایعات یونی عامل دار شده به عنوان کمک الکترولیت در سلول های خورشیدی حساس به رنگ	مهرناز داودعبداله و الهه کوثری	مهر 1400
5	سنتز الکترولیت های جدید بر پایه ی اکسید گرافن عامل دار شده با POSS و مایع یونی با کاتیون ایمیدازولی و آنیون $-CuI_2$ به منظور کاربرد در سلول های خورشیدی حساس به رنگ	شیوا اورنگی و الهه کوثری	مهر 1400
6	فارسی: سنتز کامپوزیت های نانو تیوپ هالوزیت عامل دار شده/پلی ارتو آمینو فنل/مایع یونی خاص برای کاربرد در مواد الکترودی ابر خازن	نریمان نیک زاد و الهه کوثری	اسفند 1399
7	سنتز و شناسایی نانوکامپوزیت های چارچوب آلی فلزی پلی آنیلین عامل دار شده با مایعات یونی و کاربرد آن به عنوان مواد الکترودی در شبه خازن های الکتروشیمیایی	مهسا حبیبی و الهه کوثری	اسفند 1399
8	سنتز و شناسایی نانو کامپوزیت های مایع یونی/ $g-C_3N_4$ و کاربرد آن در ابرخازن های الکتروشیمیایی	بهاره امیری و الهه کوثری	اسفند 1399
9	سنتز نانوکامپوزیت های گرافن ربیون عامل دار شده / پلیمر رسانا گونه p به عنوان الکتروود کارآمد جدید در ابرخازن ها	حانیه احمدی و الهه کوثری	شهریور 1399
10	سنتز نانو کامپوزیت های جدید بر مبنای گرافن اکسید عامل دار شده با کمپلکس های کبالت/مایعات یونی به عنوان افزودنی مؤثر به الکترولیت در سلول های خورشیدی حساس به رنگ	محمد محمدی زاده بقراباد و الهه کوثری	بهمن 1398
11	ارزیابی عملکرد نانو کامپوزیت های گرافن اکساید، به عنوان جاذب نوین در حذف فلزات سنگین از محیط های آبی	ترگل تیموریان و الهه کوثری	بهمن 1398
12	سنتز نانو کامپوزیت ها بر اساس گرافن اکساید چند عاملی جدید/پلیمرهای هادی/مایعات یونی برای کاربرد در ابرخازن های الکترو شیمیایی با ظرفیت بالا	میلاد یاری و الهه کوثری	بهمن 1398
13	تهیه نانو کامپوزیت های فتو کاتالیست ها-گرافن عامل دار شده با چهار چوب های آلی فلزیو استفاده از ان برای حذف فتو الکترو شیمیایی الاینده های رنگی	میلاد نعمتی زاده و الهه کوثری	خرداد 1398
14	سنتز نانو کامپوزیت های دی اکسید تیتانیوم/ پلیمر مایع یونی / گرافن اکساید عامل دار شده برای تخریب فتوکاتالیستی بنزن و تولوئن	شایسته شجری و الهه کوثری	اسفند 1397
15	تاثیر مایعات یونی جدید با پایه ایمیدازولی عامل دار شده روی بازدارندگی خوردگی فولاد کم کربن	ابراهیم کمالی اردکانی و الهه کوثری	بهمن 1397
16	ابرخازن های با کارایی بالا بر پایه نانوکامپوزیت های پلی مرهای مایعات یونی جدید - گرافن اکساید عامل دار شده/پلی مر هادی	مهديه مقصودی و الهه کوثری	بهمن 1397

17	پیوندزنی شیمیایی آمینواسید به هالوئیت به منظور دارورسانی	نسترن رادگودرزی و مهر 1397 الهه کوثری
18	تهیه غشاهای جدید نانوکامپوزیت چارچوب آلی-فلزی پلی اترترکتون سولفونه شده با استفاده از مایعات یونی برای هدایت پروتونی بالا و در دمای بالا	پروین کاظمی و الهه بهمن 1396 کوثری
19	تهیه ی کامپوزیت های پلیمر هادی / ترکیبات مشتق کربوکسیلیک اسید کاپرل به منظور کاربرد در ابرخازن های الکتروشیمیایی	ستار اسدی و الهه بهمن 1396 کوثری
20	الکتروسنتز و بررسی رفتار ابرخازنی نانو کامپوزیت پلیمر هادی با مایعات یونی و اکسید گرافن عامل دار شده	محمد دشتی نجفی شهرپور و الهه کوثری 1396
21	طراحی و تهیه پلیمر جدید بر پایه کورکومین و بررسی فعالیت بیولوژیکی آنها	امیر شری زاده و الهه کوثری 1395
22	طراحی وسنتز شبکه آلی فلزی انعطاف پذیر متخلخل برای دارورسانی	مارال مقصدلو و آبان الهه کوثری 1395
23	سنتز پلیمرهای شاخه دار عاملدار شده محلول در آب و فعال نوری با گروههای آمینو اسید متفاوت	نازنین فرمانبردار و آبان الهه کوثری 1395
24	تصفیه فتوکاتالیستی آلاینده های موجود در پساب با استفاده از نانوکامپوزیت های اکسید تیتانیم و قالب آلی-فلزی	نغمه غلامعلی زاده شهرپور پیرکلاچاهی و الهه کوثری 1395
25	تهیه و شناسایی پلیمر های جدید مایعات یونی عاملدار بر پایه ایمیدازول و کاربرد آن درغشا های پیل سوختی	علی اکبر شجاعی خرداد اقبلاغی و الهه کوثری 1395
26	سنتز پلیمر پایه آبی و کاربرد آن در سیال حفاری، جایگزین نشاسته دما بالا	سالار باقریان اقدم و خرداد الهه کوثری 1395
27	اصلاح ساختاری گرافن با استفاده از مایعات یونی عاملدار شده به منظور کاربرد در ابرخازن ها با کارایی بالا	سیده علییه شاهورانی و الهه کوثری 1394
28	سنتز و بررسی خواص نانو کامپوزیت های پلی ایمید سولفونه برای غشا تبادل پروتون در پیل های سوختی	امیرارمان برادری و آبان الهه کوثری 1394
29	سنتز و شناسایی غشاهای نانو کامپوزیتی پلی ایمید سولفونه / سیلیکای سولفونه ی کروی جهت کاربرد در غشاهای تبادل پروتون	حامد پورعطا و الهه مهر 1394 کوثری
30	سنتز نانو کامپوزیت جدید متشکل از نانو ذرات گرافنی عاملدار شده با مایعات یونی و کاربرد آن به منظور افزایش دهنده انتقال بار در الکترولیت سلولهای خورشیدی حساس به رنگ	محبوبه رفیعی مهر 1394 پورچیرانی و الهه کوثری
31	بررسی خواص ضد خوردگی پوشش اپوکسی تقویت شده با نانوذرات گرافن اکساید عاملدار شده و نانوساختارهای سیلیکون چند وجهی PSS	علیرضا بخت و الهه مهر 1394 کوثری
32	سنتز و شناسایی پلی ایمیدهای شاخه دار از روش (A2+B3) و بلند آن با کوپلی ایمید سولفونه برای استفاده در غشای تبادل پروتون پیل سوختی	حوریه بوسلیکی و شهرپور الهه کوثری 1394
33	ساخت و مشخصه یابی نانو کامپوزیت های بر پایه پلی یورتان تقویت شده با هیدروکسی آپاتیت و فلوئوروهیدروکسی آپاتیت سنتز شده از پوست تخم شترمرغ و مایع یونی به منظور کاربرد در مهندسی بافت استخوان	محمد احمدی و الهه مهر 1393 کوثری
34	استفاده از مایعات یونی عامل دار شده جهت کاربرد در الکترولیت در سلول های خورشیدی رنگ حساس	سینا روانبدشیرازی و مهر 1393 الهه کوثری
35	ساخت و بررسی عملکرد غشای نانو کامپوزیتی پلی اتر سولفون سولفونه/ اکسید تیتانیوم جهت کاربرد در پیل سوختی غشای مبادله پروتون	سیما نظری مهر 1393 خانمیری و الهه کوثری
36	سنتز اکسید گرافن عامل دار شده و تهیه نانو کامپوزیت های دی اکسید تیتانیوم/ تری اکسید تنگستن/ اکسید گرافن عامل دار شده با رنگ به منظور تخریب نوری ترکیبات آلی فرار در هوا	فریبا مراد و الهه مهر 1393 کوثری

37	بررسی خواص ضدخوردگی پوشش رزین اپوکسی تقویت شده با نانو گرافن اکساید اصلاح شده سطحی با مایع یونی ایمیدازولی بر فولاد کم کربن	ابوالفضل خلیلی درمنی و الهه کوثری	مهر 1393
38	سنتز غشاهای نانوکامپوزیتی پلی ایمید/ گرافن اکساید عامل دارشده با مایعات یونی و سنتز غشاهای آلیاز پلیمری پلی ایمید / پلی ایمید سولفونه شاخه ای جهت کاربرد در پیل‌های سوختی غشا پلیمری	علیرضا زارع و الهه کوثری	مهر 1393
39	سنتز نانو کامپوزیت های اکسیدگرافن احیاشده و عامل‌دار شده با مایع یونی مغناطیسی و کاربرد آن در پوشش‌های جاذب امواج الکترومغناطیس	محدثه محمدی مردخی و الهه کوثری	شهریور 1393
40	سنتز و شناسایی پلی ایمید سولفونه شده و پلی آمید-ایمید فعال نوری دارای گروه‌های ایمیدازولی بر روی زنجیره پلیمری و پلند آن‌ها جهت ساخت غشاهای تبادل پروتونی در پیل سوختی	وحید انصاری و الهه کوثری	بهمن 1392
41	روش نوین سنتز گرافن با استفاده از تری فنیل فسفین و مایعات یونی و شناسایی و کاربرد آن بعنوان ابرخازن	محمدباقر بخشنده و الهه کوثری	بهمن 1392
42	سنتز و بررسی خاصیت جذب امواج رادار توسط نانو کامپوزیت های مایع یونی / $MnO_2$ / پلی تیوفن	زهرا گل افشانی و الهه کوثری	مهر 1392
43	سنتز سولفانامید ها با آمیداسیون(آمید دار کردن)مستقیم در حضور نانو کاتالیست ها با استفاده از مایعات یونی برای استفاده به عنوان پیش ماده در صنایع دارو سازی	مرتضی برزن و الهه کوثری	مهر 1392
44	تهیه نانوفوتوکاتالیست های اکسید مس به روش اولتراسونیک و کاربرد آن در تخریب مواد رنگزای موجود در پساب	انی سرهاکوپیان و الهه کوثری	مهر 1392
45	کاربرد نانو فوتو کاتالیست ها در تجزیه و ازبین بردن ترکیبات فرار سمی و آلوده کننده هوا	سیدمهدی میرمحمدی و الهه کوثری	مهر 1392
46	مایع یونی با ساختار ایمیدازولی جدید به عنوان بازدارنده خوردگی برای فولاد کم کربن	میلاد پیامی جیلدانی و الهه کوثری	شهریور 1392
47	طراحی سنتز و شناسایی نانو ساختارهای اکسیدی بر پایه ZnO و برخی نانوکامپوزیت های آن در حضور مایعات یونی برای تخریب نوری آلاینده های خطرناک هوا	سهیل عبدپور و الهه کوثری	تیر 1391
48	تهیه و شناسایی نانو ساختارهای MgO/ZnO در حضور مایعات یونی و کاربرد آنها در تخریب نوری آلاینده های هوا	بهروز بذری و الهه کوثری	تیر 1391
49	سنتز و بررسی خاصیت جذب امواج الکترومغناطیسی نانو کامپوزیت‌های پلیمری-مایع یونی-کربن نانو تیوب چند لایه	حمید محمودی و الهه کوثری	اردیبهشت 1391
50	عملیات پلازما روی لایه های پلی پروپیلن میکرو و نانو به منظور جذب ترکیبات یونی	سوده رحمانی و الهه کوثری	بهمن 1390
51	بررسی خواص ضد خوردگی یک سطح فعال کاتیونی در محیط اسیدی	فاطمه السادات طباطبایی پور و الهه کوثری	مهر 1390
52	سنتز و شناسایی نانو کامپوزیت های جاذب امواج مغناطیس با استفاده از مایعات یونی	امیرحسین کریم زاده و الهه کوثری	تیر 1390
53	تهیه فتوکاتالیستها بر پایه اکسیدها فلزی با مورفولوژیهای مختلف با استفاده از مایعات یونی و کاربرد آن در تخریب مواد رنگزا موجود در پساب	محمدرضا قزلباش و الهه کوثری	خرداد 1390

## کتاب

#	عنوان	نگارندگان/مترجمان	کشور ناشر تاریخ نسخه انتشار
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داده های ثبت شده در پورتال

1	1400	United Kingdom	یوسف معرفاوی، رئوف علی اکبری، الهه کوثری، بنفشه صادقی، سیرام راماکریشنا	Ionic Liquid-based Technologies for Environmental Sustainability Application of ionic liquids in green energy-storage materials: chapter 10	1
1	1400	India	نوشین عزتی، عباداله اسدی، مجید عبدوس، الهه کوثری	Functionalized Polymers Synthesis, Characterization and Applications chapter 11: polyurethane	2
1	1398	ایران	الهه کوثری، محمد هادی قاسمی	مایعات یونی ساختار ویژگی ها و کاربردها	3
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- 111 Elahe Kowsarie, Mohamad Bagher Bakhshandeh, "Graphene-Based Supercapacitor in the presence of functional ionic liquid with an Ultrahigh Energy Density ", Graphene-Based Supercapacitor in the presence of functional ionic liquid with an Ultrahigh Energy Density, December 2012
- 112 Elahe Kowsarie, Vahid Ansari, "Novel nanocomposite membranes based on sulfonated mesoporous silica nanoparticles modified new optically active poly ionic liquid for direct methanol fuel cells ", 2012 International Conference on Advanced Material and Manufacturing Science, December 2012
- 113 Elahe Kowsarie, L. Moghadasi, "Synthesis of new ZnO/Fe<sub>3</sub>O<sub>4</sub> nanofiber and Application in Electromagnetic Wave Absorption ", 2012 International Conference on Advanced Material and Manufacturing Science, December 2012
- 114 Annie Ser Hacupian, Majid Abdouss, Elahe Kowsarie, "Modification of Nano polyethylen terephthalate fibrous by plasma for adsorption of ions ", 19th Iranian Seminar Of Analytical Chemistry, December 2012
- 115 Elahe Kowsarie, Morteza Barzan, "Synthesis of sulfonamids as a precursor in the synthesis of pharmaceuticals in the presence of nanocatalysts by ionic liquid ", 6th INTERNATIONAL SYMPOSIUM ON MACRO-AND SUPRAMOLECULAR ARCHITECTURES MATERIALS, November 2012
- 116 Elahe Kowsarie, Seed Mahdi Mirmohamadi, "Photocatalytic oxidation of nitrogen oxide over Titania-Bentolite nanocomposite catalyst to remove nitrogen oxides in the atmosphere ", 6th INTERNATIONAL SYMPOSIUM ON MACRO-AND SUPRAMOLECULAR ARCHITECTURES MATERIALS, November 2012
- 117 Elahe Kowsarie, L. Moghadasi, "ZnO/Fe<sub>3</sub>O<sub>4</sub> Hybrid Nanofibers Prepared by Electrospinning and Application in Electromagnetic Wave Absorption ", 10th International Seminar on Polymer Science and Technology, October 2012
- 118 Elahe Kowsarie, Hamid Mahmoudi, "Synthesis of Ni(OH)<sub>2</sub> /NiO / CNT nanocomposite and investigation their microwave absorption properties ", 10th International Seminar on Polymer Science and Technology, October 2012
- 119 Amir Jangi Zehi, S.Reza Ghaffarian Anbaran, Elahe Kowsarie, "Synthesis and Thermo-reversibility of Poly (ethylene-co-vinyl alcohol)-g-Ureidopyrimidinone Groups ", ISPST 2012 International Seminar on Polymer Science & Technology, October 2012
- 120 Behrouz Bazri, Elahe Kowsarie, "surface area enhancement of MgO/Mg(OH)<sub>2</sub> by hydrothermal process in the presence of chiral ionic liquid ", 15th Iranian physical chemistry Conference. University of Tehran, September 2012

- 121 Elahe Kowsarie, Zahra Golafshanj, "Electromagnetic and microwave absorbing properties IL/MnO<sub>2</sub>/ polythiophene nano composites ", National Conference on Nanoscience & Nanotechnology (Nano Tech 2012),, September 2012
- 122 Elahe Kowsarie, Amir Hassan Karimzadeh, "ZnO/Zn(OH)<sub>2</sub> nanocomposites as nanofillers for radar-absorbing coatings ", International Congress on Nanoscience & Nanotechnology (ICNN2012), September 2012
- 123 Elahe Kowsarie, Hamid Mahmoudi, "Synthesis of Ni(OH)<sub>2</sub> /NiO nanocomposites with Microwave Absorption Property ", International Congress on Nanoscience & Nanotechnology (ICNN2012), September 2012
- 124 Elahe Kowsarie, Behrouz Bazri, "Porous micro-/nanostructured MgO/Mg(OH)<sub>2</sub> with photocatalytic Property ", International Congress on Nanoscience & Nanotechnology (ICNN2012) 8 - 10 September 2012, Kashan, I. R. Iran, September 2012
- 125 Elahe Kowsarie, L. Moghadasi, "Electrospun ZnO/Fe<sub>3</sub>O<sub>4</sub> nanofiber and Application in Electromagnetic Wave Absorption ", International Congress on Nanoscience & Nanotechnology (ICNN2012), September 2012
- 126 Elahe Kowsarie, Amir Hassan Karimzadeh, "Butterfly-like BaO Nanostructures as Nanofillers for Microwave-Absorbing Nanocomposites ", International Congress on Nanoscience & Nanotechnology (ICNN2012), September 2012
- 127 Elahe Kowsarie, Hosseini, "New poly(amide-imide)/silica nanocomposites: Synthesis and Characterization ", International Congress on Nanoscience & Nanotechnology (ICNN2012), September 2012
- 128 Elahe Kowsarie, Sohil Abdpour, "Synthesis of Cr<sub>2</sub>O<sub>3</sub>/ZnO nanocomposite by ionic liquids ", International Congress on Nanoscience & Nanotechnology, September 2012
- 129 Elahe Kowsarie, S. M. Hosseini, "Synthesis and characterization of chiral poly ionic liquid modify with mesoporous silica for their potential application as chiral stationary phase ", National Conference on Nanoscience & Nanotechnology (Nano Tech 2012), September 2012
- 130 Elahe Kowsarie, Sohil Abdpour, "Morphology-controlled synthesis of ZnO nanophotocatalyst by imidazolium, pyridinium, and ammonium based ionic liquids ", National Conference on Nanoscience & Nanotechnology (Nano Tech 2012), September 2012
- 131 Elahe Kowsarie, Behrouz Bazri, "The design, fabrication of rose-like MgO/ZnO hierarchical nanostructures by task specific ionic liquid and for air purification and photodegradation of SO<sub>2</sub>, NO<sub>2</sub>, and CO ", the 3rd Asian-Pacific Conference on Ionic Liquids and Green Processes, September 2012
- 132 Elahe Kowsarie, Sohil Abdpour, "Synthesis of ZnO nanophotocatalyst by imidazolium, pyridinium, and ammonium based ionic liquids ", the 3rd Asian-Pacific Conference on Ionic Liquids and Green Processes, September 2012
- 133 Elahe Kowsarie, Hamid Mahmoudi, "Synthesis of Ni(OH)<sub>2</sub> nanostructures via hydrothermal method using an ionic liquid and their microwave absorption properties ", the 3rd Asian-Pacific Conference on Ionic Liquids and Green Processes, September 2012
- 134 Elahe Kowsarie, Sohil Abdpour, "Synthesis of ZnO/CdO nanoplate by ionic liquid and their photocatalytic properties, to decrease the concentration of three air pollutants SO<sub>2</sub>, NO<sub>x</sub>, CO ", the 3rd Asian-Pacific Conference on Ionic Liquids and Green Processes, September 2012
- 135 Elahe Kowsarie, S. M. Hosseini, "Preparation and Characterization and Optically active poly (amide -imide)/silica nanocomposites by ionic liquid as proton exchange membranes for fuel cells ", The 3rd Asian-Pacific Conference on Ionic Liquids and Green Processes, September 2012
- 136 Elahe Kowsarie, Behrouz Bazri, "Porous Hierarchically Micro-/Nanostructured MgO/Mg(OH)<sub>2</sub>: Morphology Control by a Functional Ionic Liquid and Photocatalytic Properties of the Product ", the 3rd Asian-Pacific Conference on Ionic Liquids and Green Processes, September 2012
- 137 Elahe Kowsarie, L. Moghadasi, "Electrospun ZnO/Fe<sub>3</sub>O<sub>4</sub> nanofiber and electromagnetic wave absorption ", the 3rd Asian-Pacific Conference on Ionic Liquids and Green Processes, September 2012
- 138 Elahe Kowsarie, Hamid Mahmoudi, "Morphology control of nickel hydroxide nanostructures by ILs and electromagnetic wave absorbing properties ", 14th Iranian Inorganic Chemistry Conference, August 2012
- 139 Elahe Kowsarie, Amir Hassan Karimzadeh, "Influence of ionic liquid on the growth of ZnO/Zn(OH)<sub>2</sub> nanocomposites as nanofillers for radar-absorbing coatings ", 14th Iranian Inorganic Chemistry Conference 28–29 August, August 2012











- 140 Elahe Kowsarie, Amirhasan Karimzadeh, "Fabrication of BaO nanostructures as the fillers for microwave-absorbing nanocomposites ", 14th Iranian Inorganic Chemistry Conference, August 2012
- 141 Elahe Kowsarie, Amir Hassan Karimzadeh, "Morphological evolution of BaCO<sub>3</sub> and its Microwave absorbing properties as a inorganic nanofiller ", 14th Iranian Inorganic Chemistry Conference 28–29 August, August 2012
- 142 Elahe Kowsarie, Amir Hassan Karimzadeh, "Influence of ionic liquid on the growth of ZnO/Zn(OH)<sub>2</sub> nanocomposites as nanofillers for radar-absorbing coatings ", 14th Iranian Inorganic Chemistry Conference 28–29 August, August 2012
- 143 Elahe Kowsarie, Amirhasan Karimzadeh, "Fabrication of cubic BaO nanostructures as the fillers for microwave-absorbing nanocomposites ", 14th Iranian Inorganic Chemistry Conference 28–29 August, August 2012
- 144 Elahe Kowsarie, M. Mallakmohmadi, "Electrospun PAN/spinel ZnCr<sub>2</sub>O<sub>4</sub> nanofiber process control by ILs and electromagnetic wave absorbing properties ", 14th Iranian Inorganic Chemistry Conference 28–29 August, August 2012
- 145 Elahe Kowsarie, Hamid Mahmoudi, "Morphology control of nickel hydroxide nanostructures by ILs and electromagnetic wave absorbing properties ", 14th Iranian Inorganic Chemistry Conference 28–29 August, August 2012
- 146 Ahmad Mousavi Shoushtari, Majid Abdouss, Soodeh Rahmani, Elahe Kowsarie, Aminoddin Haji, "NANO-STRUCTURAL SURFACE MODIFIED POLYPROPYLENE NONWOVEN AS ANION ABSORBENT BY AMINATION OF PLASMA ACTIVATED ACRYLIC ACID GRAFTED FIBER ", 11th world filtration congress, April 2012
- 147 Elahe Kowsarie, "Synthesis and chracterization of ZnO/polyaniline nanocomposites and its photocatalytic ", Proceedings of the 4th International Conference on Nanostructures (ICNS4, March 2012
- 148 Elahe Kowsarie, "Controllable synthesis of Nickel hydroxide nanostructures by ionic liquids assisted method and investigation of microwave absorption properties ", Proceedings of the 4th International Conference on Nanostructures (ICNS4), March 2012
- 149 Elahe Kowsarie, Amirhasan Karimzadeh, "Butterfly-like BaO nanostructure as the filler of radar absorbing nanocomposite ", Proceedings of the 4th International Conference on Nanostructures (ICNS4) 12-14 March, 2012, Kish Island, I.R. Iran, March 2012
- 150 Elahe Kowsarie, "Fabrication of radar absorbing materials using ionic liquid/Zn(OH)<sub>2</sub>/polypyrrole nanocomposite ", Ultrafine Grained and Nanostructured Materials (UFGNSM11, November 2011
- 151 Alireza Khosravi, Kamaledin Gharanjig, Elahe Kowsarie, Manouchehr Khorasani, "Synthesis of novel fluorescent self-colored copolymer based on of Butyl-thio naphthalimide ", polymer processing society2011, November 2011
- 152 Elahe Kowsarie, "Synthesis of ZnO/polyaniline nanocomposites by sonochemical method and its photocatalytic ", Polymer Processing Society 2011 Asia/Australia Regional Meeting, November 2011
- 153 Elahe Kowsarie, "Microwave absorbing properties of Cr<sub>2</sub>O<sub>3</sub>/ZnO nano?bers and TSIL as the ?ler in polymer foams ", Polymer Processing Society 2011 Asia/Australia Regional Meeting, November 2011
- 154 Elahe Kowsarie, "Influence of morphology of Zn(OH)<sub>2</sub> nano nanofillers on microwave absorption properties of Zn(OH)<sub>2</sub>/FIL/Polypyrrole coatings ", Polymer Processing Society 2011 Asia/Australia Regional Meeting. PPS 2011, November 2011
- 155 Elahe Kowsarie, "Fabrication and electromagnetic characteristics of electromagnetic wave absorbing IL/BaCO<sub>3</sub>/epoxy resin coatings ", Polymer Processing Society 2011 Asia/Australia Regional Meeting. PPS 2011, November 2011
- 156 Elahe Kowsarie, "Synthesis, spectral, and thermal properties of some phosphorus-containing 9,10-anthraquinoid, thermally stable dyes ", 4th International Color and Coatings Congress, November 2011
- 157 Elahe Kowsarie, "Synthesis of zincoxysul?de (ZnOxS<sub>1-x</sub>) nanostructures by a functional ionic liquid as nanophotocatalyst for degrading MO ", 4th International Color and Coatings Congress, November 2011
- 158 Elahe Kowsarie, "Sonochemically and ionic liquid assisted synthesis and of hollow prizm, and Coralline like ZnO nanophotocatalyst for Decolorizing Waste Water ", 4th International Color and Coatings Congress, November 2011



- 159 Elahe Kowsarie, "Preparation and spectral properties of novel oligomeric dyes in aqueous acidic ionic liquids ", 4th International Color and Coatings Congress, November 2011
- 160 Elahe Kowsarie, "N-alkylation of amino-9,10-anthraquinones by trialkyl phosphites in ionic liquids as novel and recyclable reaction media ", 4th International Color and Coatings Congress, November 2011
- 161 Elahe Kowsarie, "Ionic liquids as green and recyclable solvents for the synthesis of N-substituted-N-arylothioureas containing 9,10-anthraquinone moiety as yellow and orange colors ", 4th International Color and Coatings Congress, November 2011
- 162 Elahe Kowsarie, "Fabrication of ZnO/SnO<sub>2</sub> nanocomposites by a task specific ionic liquid for UV and visible light assisted degradation of a dye ", 4th International Color and Coatings Congress, November 2011
- 163 Fatemeh Tabatabaee, Aliasghar Sarabi Daryani, Elahe Kowsarie, "Corrosion behaviour of novel cationic surfactant on low carbon steel in 1M HCl ", 4th International Color and Coatings Congress, November 2011
- 164 Elahe Kowsarie, "Corrosion behavior of novel cationic surfactant on low carbon in 1M HCl ", international color and coating congress, November 2011
- 165 Elahe Kowsarie, "Facile fabrication of ZnO/SnO<sub>2</sub> nanophotocatalysts by the IL method with highly visible light activity ", Facile fabrication of ZnO/SnO<sub>2</sub> nanophotocatalysts by the IL method with highly visible light activity, November 2011
- 166 Elahe Kowsarie, "Preparation of a novel ZnO/SnO<sub>2</sub> nanophotocatalyst by IL method and evaluation for photocatalytic decomposition of an organic dye ", Ultrafine Grained and Nanostructured Materials (UFGNSM11), November 2011
- 167 Elahe Kowsarie, "Synthesis and microwave absorption properties of Flower like BaCO<sub>3</sub>/ ionic liquid nanocomposites ", Ultrafine Grained and Nanostructured Materials (UFGNSM11, November 2011
- 168 Elahe Kowsarie, "Synthesis and optical properties of flower like MgO/ZnO nanocomposite using ultrasound radiation and a chiral ionic liquid ", 2nd Asia Pacific Conference on Ionic Liquids and Green Processes, September 2010
- 169 Elahe Kowsarie, "A Selective, Efficient, and Green Procedure for Quinoline Synthesis Using Basic Ionic Liquid in Aqueous Media under ultrasound irradiation ", 2nd Asia Pacific Conference on Ionic Liquids and Green Processes, September 2010
- 170 Elahe Kowsarie, "Synthesis of Polythiophene Nanofibers by ionic liquid - Assisted Polymerization Method for High Performance Redox Supercapacitors ", for 2nd Asia Pacific Conference on Ionic Liquids and Green Processes, September 2010
- 171 Elahe Kowsarie, "Synthesis of hollow spheres and Coralline like ZnO nanostructures in acidic ionic liquids ", 2nd Asia Pacific Conference on Ionic Liquids and Green Processes, September 2010
- 172 Elahe Kowsarie, "Facile Synthesis of polyaniline Nanoparticle doped with Hematoporphyrin in Ionic Liquid ", 3rd Conference on Nanostructures, March 2010
- 173 Elahe Kowsarie, "Ionic-liquid-assisted synthesis and characterization of organic /inorganic hybrid materials based on polyaniline/ Y<sub>2</sub>O<sub>3</sub> nanocomposite ", 3rd Conference on Nanostructures, March 2010
- 174 Elahe Kowsarie, "Sonochemically assisted synthesis of hollow spheres and lozenge-shape hollow prism ZnO nanostructure in acidic ionic liquids ", 3rd Conference on Nanostructures, March 2010
- 175 Elahe Kowsarie, "Synthesis and Optical Properties of Nano Flower Y<sub>2</sub>O<sub>3</sub> by an Ionic Liquid-Assisted Method ", 3rd Conference on Nanostructures, March 2010
- 176 Elahe Kowsarie, "Synthesis of highly crystalline polyaniline nanofiber by dicationic ionic liquid ", 3rd Conference on Nanostructures, March 2010
- 177 Elahe Kowsarie, "A task specific basic ionic liquid for synthesis of flower-like ZnO by hydrothermal method ", 2nd International conference on Ultrafine Grained and Nanostructured Materials (UFGNSM09), November 2009
- 178 Elahe Kowsarie, "IONIC LIQUID AS NOVEL REACTION MEDIA FOR THE SYNTHESIS OF COPOLY(ESTER-AMIDE)S CONTAINING 9,10-ANTHRAQUINONE MOIETY AS NEW DYES ", Europe/Africa Regional Meeting of the Polymer Processing Society for 2009 (E/A RM PPS 2009), October 2009

- 179 Elahe Kowsarie, "ORGANIC-INORGANIC HBRID MATERIALS BASED ON POLYANILINE/Y2O3 NANOCOMPOSITES, PREPARATION IN THE PERSENCE OF IONIC LIQUID ", Europe/Africa Regional Meeting of the Polymer Processing Society for 2009 (E/A RM PPS 2009), October 2009
- 180 Elahe Kowsarie, "POLYTHIOPHENE NANOSPHERES: SYNTHESIZED IN FUNCTIONALIZED IONIC LIQUI ", Europe/Africa Regional Meeting of the Polymer Processing Society for 2009 (E/A RM PPS 2009), October 2009
- 181 Elahe Kowsarie, "PREPARATION AND CHARACTERIZATION OF POLYPYRROLE NANOSTRUCTURE BY SONOCHEMICAL METHOD IN THE PERSENCE OF HYDROPHOBIC IONIC LIQUID ", Europe/Africa Regional Meeting of the Polymer Processing Society for 2009 (E/A RM PPS 2009), October 2009
- 182 Elahe Kowsarie, "PREPARATION OF NOVEL OLIGOMERIC DYES IN AQUEOUS ACIDIC IONIC LIQUID, INFLUENCE OF THE AMOUNT AND TYPE OF AIL SURFACTANT AS CATALYST ", Europe/Africa Regional Meeting of the Polymer Processing Society for 2009 (E/A RM PPS 2009), October 2009

## دروس ارائه شده

#	عنوان درس	توصیف درس	دوره سرفصل ها	دوره درسی
1	Heterocyclic Chemistry	Introduction to the principles of heterocyclic chemistry and its application		Spring 2022
2	Organic Physical Chemistry	آشنایی با اصول سینتیکی و ترمودینامیکی واکنشهای شیمی آلی		Spring 2022
3	Nano Chemistry	Understanding with a variety of different methods of synthesis of nanomaterials		Spring 2022
4	Polymer Synthesis	1. Stage Polymerisation: Polyester Preparation Static polymerization kinetics 3. Polyester Lactic and Glycolic Acid and Co-Polymers 4. Radical polymerization: considerations, subgroups 5. Types of initiators, kinetics of radical polymerization 6. R		Fall 2021
5	Molecular Spectroscopy (II)	This course helps doctoral students will use the knowledge gained during the course able to determine the structure of molecules using methods that are one and two-dimensional.		Fall 2021
6	Spectroscopy of Advanced Organic	This course helps doctoral students will use the knowledge gained during the course able to determine the structure of molecules using methods that are one and two-dimensional		Fall 2021
7	Nano Chemistry	Understanding with a variety of different methods of synthesis of nanomaterials		Fall 2021
8	Nano Chemistry	Understanding with a variety of different methods of synthesis of nanomaterials		Spring 2021
9	Heterocyclic Chemistry	Introduction to the principles of heterocyclic chemistry and its application		Spring 2021
10	Organic Physical Chemistry	آشنایی با اصول سینتیکی و ترمودینامیکی واکنشهای شیمی آلی		Spring 2021



### اختراعات/ ثبت پتنت

#	عنوان اختراع	شماره ثبت	کشور ثبت کننده	همکاران	تاریخ ثبت	تاریخ انقضا
داده های ثبت شده در پورتال						
1	پوشش نانوکامپوزیتی حاوی نانوالیاف مغناطیسی جذب کننده امواج الکترومغناطیسی	97785	-	محبوبه ملک محمدی، الهه کوثری	1397/10/11	1415/11/13
2	پلیمریزاسیون تراکمی پلیآمید پرشاخه فعال نوری محلول در آب با گروه های انتهایی آمین به کمک دی آسید و تری آمین	95229	-	نازنین فرمانبردار، الهه کوثری، فرامرز افشار طارمی	1396/12/10	1416/6/11
3	حذف آلاینده های هوا با تلفیق خاصیت فتو کاتالیستی و تشکیل کمپلکس	91626	-	نعیمه سیف وندلیقوانی، الهه کوثری	1395/12/11	1415/2/12
4	سنتز نانو ذرات گرافن اکساید عاملدار شده با PSS به منظور تقویت خواص ضد خوردگی پوشش اپوکسی	139550140003002301	-	علیرضا بخت، الهه کوثری	1395/2/12	1415/2/12
5	ساخت فوتو کتالیست مزوپروس اکسید روی با مورفولوژی پیش ضلعی با استفاده از سنتز در محیط مایعات یونی جهت کاربرد در تصفیه فوتوکاتالیستی هوا	139450140003021540	-	الهه کوثری، سهیل عبدپور	1394/10/11	1414/10/11