

خلاصه فعالیت‌های علمی و آموزشی و تحقیقاتی و اجرایی استاد دکتر سید محمد بلورچیان

عضو پیوسته فرهنگستان علوم



مشخصات فردی:

نام: سید محمد بلورچیان تبریزی

مرتبه علمی: استاد ممتاز دانشگاه تبریز و پژوهشگاه و بنیانگذار پژوهشگاه شیمی و مهندسی شیمی ایران

آدرس: تهران - میدان ونک - بزرگراه شهید حقانی - بعد از ایستگاه مترو حقانی - خروجی

فرهنگستان‌های جمهوری اسلامی ایران و کتابخانه ملی - فرهنگستان علوم

آدرس الکترونیکی: bolourtchian@ias.ac.ir

تلفن: ۸۸۶۴۵۵۹۵ نمابر: ۸۸۶۴۵۵۹۸

شرح حال مختصر:

دکتر سید محمد بلورچیان در سال ۱۳۱۲ در تبریز متولد شد. پس از گذراندن تحصیلات مقدماتی در تبریز و تحصیلات متوسطه در دبیرستان رازی تهران در امتحانات سراسری کشور رتبه اول را کسب نمود. با شرکت در کنکور، در رشته پزشکی و داروسازی پذیرفته شد و در دانشکده داروسازی دانشگاه تبریز به تحصیلات عالی خود ادامه داد. پس از دفاع از رساله دکترا با درجه ممتاز، موفق به دریافت حکم و مدال درجه اول علمی شد. سپس در دانشگاه تبریز مشغول به تدریس گردید.

در سال ۱۳۴۲ به مرتبه استادیاری نائل آمد و در سال ۱۳۴۸ برای اخذ تخصص عازم کشور فرانسه شد. در دانشگاه بوردو فرانسه همچنین عضویت در CNRS پس از گذراندن دکترای تخصصی شیمی با تصویب شورای دانشگاه در دکترای دولتی (اتا) ثبت نام کرده و به فعالیت‌های پژوهشی خود ادامه داد و موفق به کشف روش‌های جدید در شیمی ارگانوسیلیکون و انتشار مقالات علمی و پژوهشی در مجلات معتبر بین‌المللی گردید به نحوی که تحولی در پیشرفت شیمی سیلیکون بوجود آورد و نتایج تحقیقات وی از سوی آکادمی علوم، پتنت و در کتاب‌های مرجع به ثبت رسید.

در سال ۱۹۷۲ دکترای دولتی علوم با درجه بسیار افتخار آمیز دریافت نمود. رساله دکترای ایشان توسط CNRS فرانسه چاپ و منتشر گردید. پس از این دکتر بلورچیان به ایران مراجعت کرد و در سال ۱۳۵۱ به مقام دانشیاری و در سال ۱۳۶۰ نیز به مقام استادی نائل شد.

علاوه بر خدمات آموزشی، پژوهشی و اجرایی یکی از فعالیت‌های مهم و ماندگار استاد بلورچیان، بنیانگذاری و تأسیس و راه‌اندازی پژوهشگاه شیمی و مهندسی شیمی ایران در شهرک علم و فناوری پژوهش می‌باشد. از آرزوهای دیرینه ایشان بود که پس از هجده سال فعالیت مستمر، تحقق پذیرفت. این پژوهشگاه استراتژیک ملی دارای چهار پژوهشکده، چهار آزمایشگاه تحقیقاتی، پایلوت نیمه صنعتی و ۱۴ گروه تخصصی و کتابخانه مجهز به سری کامل کمیکال آبسترک و کتاب‌های ادونس هندبوک و کتاب‌های مرجع و کتاب‌های دانشگاهی و سایر می‌باشد، که با هدف فراهم آوردن امکانات پژوهشی، بنیادی، کاربردی و آموزشی در کلیه زمینه‌های شیمی و مهندسی شیمی و پرورش استعدادها و خلاقیت‌های موجود در کشور و بهره‌گیری از ذخایر عظیم نفت، در سطح پایلوت و نیمه صنعتی تأسیس و راه‌اندازی گردید که اکنون یکصد نفر پژوهشگر و پنجاه نفر دانشجوی تحصیلات تکمیلی در زمینه‌های مختلف شیمی سیلیکون، شیمی آلی، شیمی معدنی، شیمی تجزیه، شیمی فیزیک و مهندسی شیمی به فعالیت تحقیقاتی بنیادی، کاربردی و توسعه‌ای مشغول می‌باشد.

فعالیت‌های علمی و اجرایی

- دبیر شورای ارزیابی داخلی دانشگاه آذربادگان سال ۱۳۳۵
- ریاست کمیته برنامه‌ریزی و هماهنگی تربیت تکنسین دانشگاه آذربادگان سال ۱۳۳۵
- عضو کمیته پژوهشی دانشکده علوم دانشگاه آذربادگان از ۱۳۳۶ تا ۱۳۳۸
- عضو انجمن شیمی فرانسه از ۱۳۵۰ تا کنون
- مدیر گروه شیمی دانشگاه تبریز از ۱۳۵۱ تا ۱۳۵۳
- مدیر کل آموزش دانشگاه تبریز از ۱۳۵۳ تا ۱۳۵۴
- مدیر کل امور خدمات آموزشی دانشگاه آذربادگان سال ۱۳۵۳
- مدیر گروه شیمی دانشگاه آذربادگان از ۱۳۵۳ تا ۱۳۵۶
- سرپرستی و اداره امتحانات مسابقه ورودی دوره‌های شبانه و دانشکده تکنولوژی دانشگاه آذربادگان سال ۱۳۵۴
- مدیر گروه شیمی دانشگاه تبریز از ۱۳۵۴ تا ۱۳۵۵
- رئیس دانشکده علوم از ۱۳۵۵ تا ۱۳۵۷
- معاون دانشگاه تبریز از ۱۳۵۷ تا ۱۳۶۲
- رئیس دانشکده علوم دانشگاه آذربادگان سال ۱۳۵۸
- عضو شورای هماهنگی مراکز تحقیقات وابسته به وزارت فرهنگ و آموزش عالی سال ۱۳۶۸
- عضو هیأت ممیزه دانشگاه تبریز از ۱۳۶۸ تا ۱۳۸۴
- مؤسس مرکز پژوهش‌های شیمی و مهندسی شیمی ایران از سال ۱۳۶۸ تا ۱۳۹۰
- عضو انجمن شیمی آمریکا از ۱۳۶۸ تا کنون
- عضو انجمن شیمی و مهندسی شیمی ایران از ۱۳۶۸ تا کنون
- عضو شورای پژوهش وزارت فرهنگ و آموزش عالی سال ۱۳۶۹
- عضو پیوسته فرهنگستان علوم از ۱۳۶۹ تا کنون
- عضو گروه علوم پایه فرهنگستان علوم از ۱۳۶۹ تاکنون
- عضو هیأت امنای دانشگاه صنعت نفت از سال ۱۳۶۹ تا ۱۳۷۳
- عضو شورای هماهنگی مراکز تحقیقاتی وابسته به وزارت علوم از ۱۳۶۹ تا ۱۳۸۹
- عضو کمیسیون بررسی نشان‌های علمی و تخصصی وزارت فرهنگ و آموزش عالی سال ۱۳۷۰
- عضو کمیته علمی کنگره بین‌المللی تاریخ پزشکی در اسلام و ایران سال ۱۳۷۰
- عضو هیأت داوران پنجمین دوره جشنواره خوارزمی سال ۱۳۷۰
- عضو کمیسیون بررسی و انتخاب اساتید نمونه وزارت فرهنگ و آموزش عالی سال ۱۳۷۲
- عضو هیأت امناء منطقه ۱ پژوهشی از ۱۳۷۰ تا ۱۳۸۹
- عضو کمیسیون دائمی هیأت امناء منطقه ۱ پژوهشی از ۱۳۷۰ تا کنون
- عضو هیأت ممیزه دانشگاه علم و صنعت از ۱۳۷۱ تا ۱۳۷۹
- رئیس شورای عالی انجمن شیمی و مهندسی شیمی ایران از ۱۳۷۲ تا ۱۳۸۰
- عضو کمیسیون خاص شورای پژوهش‌های علمی کشور از ۱۳۷۳ تا ۱۳۸۴
- عضو شورای پژوهش‌های علمی کشور از ۱۳۷۳ تا ۱۳۸۴

- عضو کمیسیون علوم پایه از ۱۳۷۳ تا کنون
- عضو کمیسیون علوم پزشکی از ۱۳۷۳ تا کنون
- عضو شورای سیاستگذاری معاونت پژوهشی و سرپرست کمیته همپایانی سال ۱۳۷۴
- عضو کمیته مواد اولیه دارویی شورای برنامه‌ریزی امور دارویی کشور ۱۳۷۴ تا ۱۳۸۲
- عضو کمیسیون محیط زیست و توسعه پایدار از ۱۳۷۴ تا ۱۳۷۷
- عضو هیأت ممیزه دانشگاه تبریز سال ۱۳۷۵
- رئیس شاخه شیمی فرهنگستان علوم از ۱۳۷۸ تا ۱۳۸۲
- رئیس گروه علوم پایه فرهنگستان علوم از ۱۳۸۲ تا ۱۳۸۸
- بنیانگذار و رئیس پژوهشگاه شیمی و مهندسی شیمی ایران در شهرک تحقیقاتی - فناوری چیتگر
- عضو شورای علمی فرهنگستان علوم از ۱۳۸۲ تا ۱۳۸۸
- عضو شورای پژوهشی فرهنگستان علوم از ۱۳۸۲ تا کنون
- عضو هیأت ممیزه دانشگاه سهند تبریز از ۱۳۸۵ تا ۱۳۸۹
- عضو هیأت ممیزه مشترک فرهنگستان‌ها از ۱۳۸۶ تا کنون
- عضو هیأت امنای پژوهشگاه شیمی و مهندسی شیمی از سال ۱۳۸۹ تا ۱۳۹۳
- عضو هیأت امنای پژوهشگاه ملی مهندسی ژنتیک و زیست فناوری از سال ۱۳۸۹ تا ۱۳۹۳
- عضو هیأت ممیزه انرژی اتمی به مدت ۲ سال
- عضو هیأت ممیزه دانشگاه سهند تبریز به مدت ۸ سال
- عضو هیأت ممیزه جانشین وزیر در پژوهشگاه پلیمر
- مشاور عالی ریاست پژوهشگاه شیمی و مهندسی شیمی ایران سال ۱۳۹۲
- عضو حقیقی شورای آینده‌نگری فرهنگستان علوم به مدت دو سال

فعالیت‌های تحقیقاتی و انتشارات علمی

- انتشار سری کتابهای شیمی آلی در ۳ جلد: (شیمی آلی عمومی، شیمی آلی عوامل ساده، شیمی آلی عوامل پیچیده)
- تأسیس دانشکده شیمی دانشگاه تبریز با ۳۳ هزار متر مربع زیر بنا ۴۰ آزمایشگاه و دو آمفی تئاتر و کتابخانه مجهز
- انتشار اولین مقالات شیمی سیلیکون در مجلات بین‌المللی از ۱۹۷۰ تا کنون
- تأسیس اولین آزمایشگاه تحقیقاتی شیمی سیلیکون در دانشگاه تبریز
- کشف ۱۵۶ ساختمان جدید ارگانوسیلیکون پتنت شده در سطح بین‌المللی
- ابداع روشهای جدید برای سنتز ترکیبات سیلیکونی دارویی با خواص فارماکولوژیکی
- ارائه ۷ روش جدید برای تشکیل پیوند کربن و سیلیکون در الکل‌ها، آلدهیدها، کتون‌ها، استرها، ایمین‌ها، انامین‌ها و نیتریل‌ها برای اولین بار در سطح بین‌المللی
- مجری ده‌ها پروژه تحقیقاتی سنتز مواد اولیه دارویی مورد نیاز کشور
- تشکیل تیم تحقیقاتی شیمی ارگانو سیلیکون و سنتز مونومرهای مربوطه در جهت پایه‌گذاری صنایع ارگانو سیلیکون در کشور
- بنیانگذار و رئیس کانون فناوری شیمی ارگانوسیلیکون در ایران
- راه اندازی ۴ پژوهشکده با همکاری هیأت علمی پژوهشگاه در شهرک علمی و تحقیقاتی چیتگر

- تشکیل تیم‌های تحقیقاتی ملی در راستای اجرای پروژه‌های تحقیقاتی، بنیادی و کاربردی و توسعه‌ای
- تدریس کلیه دروس شیمی آلی در مقطع کارشناسی، کارشناسی ارشد و دکترا
- استاد راهنمای ده‌ها دانشجوی کارشناسی ارشد و دکترا
- انتشار بیش از یکصد و پنجاه مقاله پژوهشی در مجلات بین‌المللی، ایندکس شده در ISI
- ثبت نتایج تحقیقات در بیش از ۹۰ جلد کتاب مرجع در سطح جهانی
- ارائه ۶۰ مقاله در کنگره‌های علمی و بین‌المللی
- ارائه ۴۲ مقاله در سمینارهای داخلی

افتخارات و نشان‌های علمی

- برگزیده فرهنگستان علوم و دریافت نشان درجه ۱ دانش از ریاست جمهوری، ۱۳۸۳
- برگزیده دوره اول چهره‌های ماندگار ۱۳۸۰
- دریافت نشان درجه ۲ دانش از ریاست جمهوری، ۱۳۷۶
- استاد نمونه کشور در سال ۱۳۷۰ و دریافت لوح تقدیر از ریاست جمهوری
- اولین شیمی‌دان برجسته برگزیده انجمن شیمی و مهندسی شیمی ایران، ۱۳۶۹
- رتبه دوم تحقیق در سومین جشنواره خوارزمی و دریافت لوح تقدیر از ریاست جمهوری، ۱۳۶۸
- عضو هیأت داوران جشنواره بین‌المللی خوارزمی و دریافت لوح تقدیر از معاون اول رئیس جمهور ۸ دوره
- مجری طرح برگزیده شورای پژوهش‌های علمی کشور و دریافت جایزه اول پژوهشی از وزیر علوم، ۱۳۵۱
- دریافت لوح تقدیر و جایزه علمی از دانشگاه تبریز، ۱۳۵۱
- دریافت حکم و مدال درجه اول علمی از وزارت علوم
- دریافت لوح تقدیر از شورای پژوهش‌های علمی کشور و اولین جایزه پژوهشی سال ۱۳۵۵
- برگزیده ویژه رتبه اول تحقیقات بنیادی در سی‌امین جشنواره بین‌المللی خوارزمی

PATENTS

1. Prof. Mohammad Bolourtchian, PATENT; 1971, 26 [2] 195. CHEM. ABSTR, 74, 42419B, REF, ZH, KHIM, 71, 11 ZH 444.
2. Prof. Mohammad Bolourtchian, PATENT; 1971, 33[3] 303. CHEM. ABSTR, 34340V, REF, ZH, KHIM, 72, 11ZH 463.
3. Prof. Mohammad Bolourtchian, PATENT; 1972, 34 [2] 296. CHEM. ABSTR, 76, 72601 P, REF, ZH, KHIM, 72, 12 ZH 397.
4. Prof. Mohammad Bolourtchian, PATENT; 1972, 43 [1] 139. CHEM. ABSTR, 77152269X, REF, ZH, KHIM, 73, 5 ZH 423.

5. Prof. Mohammad Bolourtchian, PATENT; 1972, 43[1]157, CHEM, ABSTR, 77, 152267V; REF, ZH, KHIM, 73, 7.ZH 434
6. Prof. Mohammad Bolourtchian, PATENT; 1972, 43[1] 79, CHEM. ABSTR, 77, 152269X, REF, ZH, KUIA, 73, 5 ZH 423.
7. Prof. Mohammad Bolourtchian, PATENT, 1973, 57[1] 55 CHEM, ABSTR, 79, 115676Y; REF, ZH, KHIM, 74, 3ZH 378.
8. Prof. Mohammad Bolourtchian, PATENT; 1976, 283[12] 545 CHEM, ABSTR, 86,7275IV; REF, ZH, KHIM, 77, 12 ZH 351.
9. Prof. Mohammad Bolourtchian, PATENT; 1978, PT, 2[3-4] 170 CHEM. ABSTR. 89, 197246B; REF, ZM, KHIM, 79, 2 ZH 363.

مقالات منتشر شده در مجلات بین‌المللی و ISI

1. Prof. Mohammad Bolourtchian, Beta silylated aldehydes and ketones, Journal of Organometallic Chemistry, No. 26, (1971).
2. Prof. Mohammad Bolourtchian, Nouvelle methode de creation de la liaison silicium-carbone a partir de chlorosilanes, VIII. C-silylation d'aldehydes et de cetones α -Ethyleniques, Journal of Organometallic Chemistry, 26, (1971), 195-206.
3. Prof. Mohammad Bolourtchian, Nouvelle methode de creation de la liaison silicium-carbone a partir de chlorosilanes, XI. Essais de silylation de nitriles α - ethyleniques. Journal of Organometallic Chemistry, 33, (1971), 303-9.
4. Prof. Mohammad Bolourtchian, Organometallic Chemistry, A review of the literature during (1972), The Chemical Society Vol. 2, 141-142.
5. Prof. Mohammad Bolourtchian, Action du trimethylchlorosilane sur l' α - ionion et la β -ionion en presence de magnesium. Journal of Organometallic Chemistry, 34, (1972), 269-78.
6. Prof. Mohammad Bolourtchian, Nouvelle methode de creation de la liaison silicium-carbone a partir de chlorosilanes, XIV. Silylation d'amides α -ethyleniques. Journal of Organometallic Chemistry, 43, (1972), 139-55.
7. Prof. Mohammad Bolourtchian, Nouvelle methode de creation de la liaison silicium-carbone a partir de chlorosilanes, XV. Preperation d' α -silylcetones a partir de chlorures d'acides α - ethyleniques. Journal of Organometallic Chemistry, 43, (1972), 157-62.

8. Prof. Mohammad Bolourtchian, Nouvelle applications du Mg en chimie organosilicium, Bulletin de la Societe Chimique de France, 17b, (1972).
9. Prof. Mohammad Bolourtchian, Synthesis d'hydrocarbures silicies a partir de composes fonctionnes. Bulletin de la Societe Chimique de France, 16b, (1972).
10. Prof. Mohammad Bolourtchian, Group IV, the silicon Group, Journal of Organometallic Chemistry, Vol. 2, (1973), Periodical Article
11. Prof. Mohammad Bolourtchian, Handbook of Organosilicon Compounds, Advances Since 1961 – 73 , Marcel Dekker, Inc., New York, Vol. 4, 333-336, (1973), Reference Work, United States of America
12. Prof. Mohammad Bolourtchian, Handbook of Organosilicon Compounds, Marcel Dekker, Inc., New York, Vol. 1, 640-641, (1973) , Reference Work, United States of America
13. Prof. Mohammad Bolourtchian, Handbook of Organosilicon Compounds, Advances Since 1961-73, Marcel Dekker, Inc., New York, Vol. 2, 122, 159,(1973), Reference Work, United States of America.
14. Prof. Mohammad Bolourtchian, Handbook of Organosilicon Compounds, Advances since 1961-73. Marcel Dekker, Inc., New York, Vol.3, (1973), 188, 220, 231, 504, 507.
15. Prof. Mohammad Bolourtchian, C- silylation et duplication reductrice observees lors de l'action de $\text{Me}_3\text{SiCl-Mg-Hmpt}$ sur des composes carbonyles alpha-ethyleniques.application a la preparation d'e dicetones a partir de cetones alpha-ethyleniques, Journal of Organometallic Chemistry, No. 57, (1973), 55-69.
16. Prof. Mohammad Bolourtchian, A Novel Method for Synthesizing Organosilicon Compounds with the use of Me_3SiCl , Journal of Sciences, Tabriz University, Vol. 1, (1974), Periodical Article, Islamic Republic of Iran.
17. Prof. Mohammad Bolourtchian, Silylation Reaction of Methylvinylcetone with Me_3SiCl in the Presence of Magnesium, Journal of Sciences, Tabriz University, Vol. 2, (1975), Periodical Article, N/A, Islamic Republic of Iran.
18. Prof. Mohammad Bolourtchian, C- silylation d'amides dieniques conjugues N, N-disubstitués. C. R. Acad. Sc. Paris, t. 283, (1976), Serie C, 543-48.
19. Prof. Mohammad Bolourtchian, Organosilicon Compounds. (V. Chvalovsky and J Rathousky), Vol. 5, P. (JOC-148), (JOC-258), (JOC-272), (JOC-384), (JOC-510) 1977.
20. Prof. Mohammad Bolourtchian, Organosilicon Compounds. (V. Chvalovsky and Rathousky), Vol. 6, P. (JOC-387), (JOC-388), (JOC-416), (JOC-670) 1977.

21. Prof. Mohammad Bolourtchian, Organosilicon Compounds. (V. Chvalovsky and J Rathousky), Vol. 6(2), P. (JOC-176), (JOC-186), (JOC-250), (JOC-330), (JOC-350) 1977.
22. Prof. Mohammad Bolourtchian, Organosilicon Compounds. (V. Chvalovsky and J Rathousky), Vol. 6(3a), P. (JOC-296), (JOC-370), (JOC-399), (JOC-477), (JOC-492), (JOC-495), (JOC-497), (JOC-509), (JOC-511), (JOC-512), (JOC-552), (JOC-607), (JOC-624), (JOC-667) 1977.
23. Prof. Mohammad Bolourtchian, Organosilicon Compounds. (V. Chvalovsky and J Rathousky), Vol. 6(2b), P. (JOC-662), (JOC-665), (JOC-671), (JOC-676), (JOC-677), (JOC-732), (JOC-797), (JOC-861) 1977.
24. Prof. Mohammad Bolourtchian, Organosilicon Compounds. (V. Chvalovsky and J. Rathousky), Vol.6 (3b), P. (JOC-937), (JOC-989) 1977.
25. Prof. Mohammad Bolourtchian, New Example Reported in Reaction with Unsaturated Amines, Journal of Organometallic Chemistry, Vol. 158, (1978), Periodical Article.
26. Prof. Mohammad Bolourtchian, New methods of forming the silicon-carbon bond from chlorosilanes, Pazhoohandeh, No. 21, (1978), Periodical Article, Islamic Republic of Iran.
27. Prof. Mohammad Bolourtchian, Silylation de cétones et nitriles α , β - éthyleniques complémentairement conjugués. Obtention de composés organiques ε -difonctionnels insaturés. Bulletin de la Société Chimique de France, 3-4 (1978), II- 170-2.
28. Prof. Mohammad Bolourtchian, Organosilicon Compounds. (V. Chvalovsky and J. Rathousky), Vol. 7, (Cp-4) 1980.
29. Mohammad Bolourtchian, Organosilicon Compounds. (V. Chvalovsky and J. Rathousky), Vol 8(2) (Cp-4) P.(CP4-191) (CP4-200) (CP4-207) (CP4-243) (CP4-250) (CP4-254) (CP4-255) (CP4-259) (CP4-260) (CP4-293) (CP4-299) (CP4-337) (CP4-344) (CP4-345) (CP4-380) (CP4-381) (CP4-384) (CP4-385) (CP4-517) (CP4-520) (CP4-543) (CP4-545).1980
30. Prof. Mohammad Bolourtchian, Chimie Organique: t, 1-Chimie Organique General, Translated by Nouri and Bolourtchian, Tabriz, Iran, (1982), Book, Islamic Republic of Iran.
31. Prof. Mohammad Bolourtchian, Chimie Organique: t, 3-Functions Complexes, Translated by Nouri and Bolourtchian, Tabriz, Iran, (1982), Book, Islamic Republic of Iran.
32. Prof. Mohammad Bolourtchian, Silicon Reagents for Organic Synthesis, Springer-Verlag, New York, 406, (1983), Periodical Article, United States of America.
33. Prof. Mohammad Bolourtchian, Organosilicon Compounds. (V. Chvalovsky and J. Rathousky), Vol. 9(BF-1) 1983.

34. Prof. Mohammad Bolourtchian, Organosilicon Compounds. (V. Chvalovsky and J. Rathousky), Vol.10(2), (BF-1) P.21, 30,31.1983.
35. Prof. Mohammad Bolourtchian, Thiophen and its derivatives (Salo Gronowitz), Part Five (766) 1983.
36. Prof. Mohammad Bolourtchian, (G. Wilkinson), Commprehensive Organometallic Chemistry, Pergamon Press, Vol.9, 614-615, 652-653, 854-1983.
37. Prof. Mohammad Bolourtchian, (C. J. Droyton), Comprehensive Organic Chemistry Pergamon Press, Vol.6, 608-609,634-1983.
38. Prof. Mohammad Bolourtchian, (M. Fiser and L. F. Fieser) Reagents for Organic Synthesis Vol.5, 713.1983.
39. Prof. Mohammad Bolourtchian, (W. Weber), Silicon Reagents for Organic Synthesis Springer- Verlag, New York, \$06, 1983.
40. Prof. Mohammad Bolourtchian, Chimie Organique; t.2-functions simples, Translated by Nouri and Bolourtchian, Tabriz, Iran, (1989), Book, Islamic Republic of Iran.
41. Prof. Mohammad Bolourtchian, Reaction of trimethylchlorosilane with epoxyketones in the presence of magnesium, Journal of Sciences of Islamic Republic of Iran, Vol. 1 No.4, (1990), Research Paper, 277-9.
42. Prof. Mohammad Bolourtchian, A study of the silylation reaction of cyanopoxides with trimethylchlorosilane in the presence of magnesium, Journal of Sciences of Islamic Republic of Iran, Vol. 1, No.3, (1990), Research Paper, 177-81.
43. Prof. Mohammad Bolourtchian, Barium permanganate, Ba(Mno4)2, a versatile and mild oxidizing agent for use under aprotic and none- aqueous condition, Tetrahedron Letters, Vol. 46, No. 19, (1990), Research Paper, 6869-78.
44. Prof. Mohammad Bolourtchian, Comprehensive Organic Synthesis, Pergamon Press, Vol.3, 557, 1991.
45. Prof. Mohammad Bolourtchian, 3,5-Dinitrobenzoylchloride, a useful reagent for the dehydration of aldoximes and carboxamieds under mild condition, Journal of Sciences of Islamic Republic of Iran, Vol. 3, No. 1 & 2, (1992), 28-29.
46. Prof. Mohammad Bolourtchian, Medical Organosilicon Compounds, Daroo-Darman, No. 111, (1992), Periodical Article, Islamic Republic of Iran.
47. Prof. Mohammad Bolourtchian, Medical Organosilicon Compounds (Isosters), Daroo-Darman, No. 111, (1992), Research Paper, N/A, Islamic Republic of Iran.

48. Prof. Mohammad Bolourtchian, A study of the silylation reaction of imines with trimethylchlorosilane in the presence of lithium, Journal of Sciences of Islamic Republic of Iran, Vol. 4, No. 3, (1993), 183-6.
49. Prof. Mohammad Bolourtchian, Lithium perchlorate mediated reaction of aldehydes; a novel method for synthesis of N, N-dialkyl-beta-silylated amines, Journal of Sciences of Islamic Republic of Iran, Vol. 6, No. 3, (1995), 163-5.
50. Prof. Mohammad Bolourtchian, Organosilicon Compounds, Journal of Chemistry, Vol.6 (2), (1995), Reference Work, Russia.
51. Prof. Mohammad Bolourtchian, The comparison of anti inflammatory and ulcerogenic effects of aspirin and its siliconized analogue in rat, Pharmaceutical Sciences, (1995), Periodical Article, Islamic Republic of Iran.
52. Prof. Mohammad Bolourtchian, A novel method for synthesis of N, N-dialkyl β -silylated amines, Journal of Sciences of Islamic Republic of Iran, Vol. 6, No. 3, (1995).
53. Prof. Mohammad Bolourtchian, Organosilicon Compounds, Journal of Chemistry, Vol.6(3a)p.(Joc-296), (Joc-307), (Joc-399), (Joc-477),(Joc-492), (Joc-495), (Joc-497), (Joc-509),(Joc-511),(Joc-512),(Joc-522),(Joc-607),(Joc-624),(Joc-667),(1995), Reference Work, Russia.
54. Prof. Mohammad Bolourtchian, Organosilicon Compounds, Journal of Chemistry, Vol.6 (2b) (Joc-176), (Joc-186), (Joc-250), (Joc-330), (Joc-350), (1995), Reference Work, Russia.
55. Prof. Mohammad Bolourtchian, Organosilicon Compounds, Journal of Chemistry, Vol.6 (3a) p. (Joc-296), (Joc-307), (Joc-399), (1995), Reference Work, N/A, Russia.
56. Prof. Mohammad Bolourtchian, Synthesis of functional silylated acylalkynes, Iranian Journal of Chemistry and Chemical Engineering vol. no. 32, (1995), Periodical Article, N/A, Islamic Republic of Iran.
57. Prof. Mohammad Bolourtchian, Synthesis of Beta-Silylated Olefins from alpha, beta Unsaturated Aldehydes and Ketones , Indian Journal of Chemistry, (1995), Research Paper, N/A, Republic of India.
58. Prof. Mohammad Bolourtchian, Synthesis of functional silylated acylalkynes, Iranian Journal of Chemistry and Chemical Engineering vol.no.32,(1995), Periodical Article, Islamic Republic of Iran.
59. Prof. Mohammad Bolourtchian, Organosilicon Compounds, Journal of Chemistry, Vol.9, (1995), Reference Work, Russia.

60. Prof. Mohammad Bolourtchian, Organosilicon Compounds, Journal of Chemistry, Vol. 5,(1995), Reference Work, Russia.
61. Prof. Mohammad Bolourtchian, One Pot Synthesis of γ -silyl- β -ynamines and δ -silyl- γ -ynamines induced by LiClO_4 , Iranian Journal Sciences and Technology, Transaction A. Vol. 19, No. 2, (1995), 201-204.
62. Prof. Mohammad Bolourtchian, Lithium perchlorate mediated reaction of aldehydes: a novel method for synthesis of N,N-Dialkyl – β – Silylated amines, Journal of Sciences of Islamic Republic of Iran, Vol. 6 No. 3, (1995), 163-5.
63. Prof. Mohammad Bolourtchian, Synthesis of β – sylilated olefins from α,β unsaturated aldehydes and ketones, Indian Journal of Chemistry, 35B, June, 590-591 (1996).
64. Prof. Mohammad Bolourtchian, A study of the silylation reaction of imines with trimethylchlorousilane in the presence of magnesium. Iranian Journal of Science and Technology, Transaction A, 21, 187-90, (1997).
65. Prof. Mohammad Bolourtchian, A simple three - component reaction for the preparation of silylated primary amines. Tetrahedron letters, 38 (46), 8071-2, (1997).
66. Prof. Mohammad Bolourtchian, Microwave promoted reductive coupling of carbonyl compounds to bis (trimethylsilyl) pinacols under solvent - free conditions. Synthetic Communications, 28 (11), 2017-20, (1998).
67. Prof. Mohammad Bolourtchian, Synthesis of bistrimethylsilylated hydroxy alkynes, Indian Journal of Chemistry, 37B, 1171-73, (1998).
68. Prof. Mohammad Bolourtchian, A new route to 1, 3-thiazino [3, 2-b] [1,2,4] triazinone but not thiazolo [3,2-b] [1,2,4] triazinone. Indian J. Heterocyclic Chem, 7(4), 305, (1998).
69. Prof. Mohammad Bolourtchian, Microwave promoted epoxidation of α,β - unsaturated ketones in aqueous sodium perborate. Journal of Chemical Research, 688-9, (1998).
70. Prof. Mohammad Bolourtchian, Microwave – assisted reduction of β -trimethylsilyl carbonyl compounds by sodium borohydride. Phosphorus, Sulfur and Silicone, Vol. 00, 1-4, (1998).
71. Prof. Mohammad Bolourtchian, A mild, one pot Pd(II) catalyzed desilylation and regioselective cyclization of 3-trimethylsilyl-2-propargylthiopyrimidinone. Indian J. Heterocyclic Chem., 7(3), 239, (1998).

72. Prof. Mohammad Bolourtchian, Solid composite copper-copper chloride assisted alkylation of naphthols promoted by microwave irradiation. *Synthetic Communications*, 28(24), 4495-4499, (1998).
73. Prof. Mohammad Bolourtchian, Claisen rearrangement of 3-(prop-2-ynylsulfanyl)-1,2,4-triazine. A convenient route to 2-methylthiazole [3,2-b][1,2,4]- triazione. *Indian Journal of Chemistry. Section B*. 37(6), 590-2, (1998).
74. Prof. Mohammad Bolourtchian, A mild, one pot acid and pd (II) desilylation and regioselective cyclization of 2- trimethylsilyl-3-propargylthio-1,2,4-triazineone. *Iranian Journal of Science & Technology*, 23 (2), Transaction A, 151-4, (1999).
75. Prof. Mohammad Bolourtchian, Synthesis of α , γ -disilated amines from β -Silylated imines. *Phosphorus, Sulfur and Silicon*, Vol. 00, 16, (1999).
76. Prof. Mohammad Bolourtchian, Microwave – assisted aminolysis of epoxides under solvent-free conditions catalyzed by montmorillonite clay. *Journal Chemical Research(s)*, 128-129 (1999).
77. Prof. Mohammad Bolourtchian, Microwave assisted selected deprotection of trimethyl silyl ether under solvent free conditions catalyzed by clay or palladium complex. *Monatshefte fur Chemie*. 130, 1175-8 (1999).
78. Prof. Mohammad Bolourtchian, Solid state Oxidative deprotection of trimethylsilyl ethers with iron (III) nitrate and montmorillonite K-10. *Synthetic Communications*. 29 (19) 3283 (1999).
79. Prof. Mohammad Bolourtchian, Synthesis of 2 methyl thiazolo [3, 2-a] pyrimidin-7-one. *Indian Journal of Chemistry*. 216 (1999).
80. Prof. Mohammad Bolourtchian, HY zeolite as an extremely active and reuseable catalyst in acylation of alcohols with acid anhydride in solventless system. *Asian Chemistry Letters*. 3(4), (1999).
81. Prof. Mohammad Bolourtchian, Zeolite induced heterocyclization, a superious method of synthesis of imidazolidenoes. *Journal of Chemical Research(s)* 8, 498-499 (1999).
82. Prof. Mohammad Bolourtchian, A novel method for the synthesis of disubstituted ureas and thioureas under microwave irradiation. *Journal of Chemical Research (s)*, 380, 710-711 (1999).
83. Prof. Mohammad Bolourtchian, Synthesis of bistrimethylsililated hydroxy alkynes. *Monatshefte fur Chemie*, 130, 333-336 (1999).
84. Prof. Mohammad Bolourtchian, Synthesis and reactions of highly sterically hindered organosilicon compounds of the type. $(\text{Me}_3\text{Si})_3\text{CSi}(\text{C}_6\text{H}_4\text{-OMe-p})\text{MeX}$ and $(\text{Me}_3\text{Si})_3\text{CSi}(\text{C}_6\text{H}_4\text{-Me-P})\text{MeX}$. *Phosphorus, Sulfur and Silicon*. Vol. 00,1-3 (1999).

85. Prof. Mohammad Bolourtchian, Microwave assisted oxidation of alcohols using wet alumina supported ACC in solventless system. *Z. Naturforschung*, 546, 815-817(1999).
86. Prof. Mohammad Bolourtchian, A route to synthesis 2,6 dimethylthiazolo[3,2-a] pyrimidin-7-one, *Indian Journal of Chemistry* 38B, 216 (1999).
87. Prof. Mohammad Bolourtchian, *Comprehensive Organometallic Chemistry*, Pergamon Press, Vol. 9, 614-615, 652-653, 854, (1999), Periodical Article, United States of America.
88. Prof. Mohammad Bolourtchian, *Comprehensive Organic Chemistry*, Pergamon Press, Vol. 6, 608-609, 634, (1999), Periodical Article, N/A, United States of America.
89. Prof. Mohammad Bolourtchian, *E-Diketon, Reagent for Organic, Synthesis*, Vol. 5, 713, (1999), Periodical Article, United States of America.
90. Prof. Mohammad Bolourtchian, Synthesis of new sulfur-Nitrogen palladacycles -crystal structures of [(AMTTO) PdBr₂] 2 3,5 THF, [(AMTTO) PdI₂] 2. 3MeOH [(AMTTO)Pd(pph₃)Br] Br.MeOH, and [(AMTTO) Pd(pph₃)I] 2MeOH (AMTTO= 4-Amino-6 methyl -1,2,3-triazine-3-thione-5-one), *European Journal of Inorganic Chemistry*, 1877-82, (2000).
91. Prof. Mohammad Bolourtchian, Application of microwave Irradiation techniques for the witting reaction. *Journal of Sciences of Islamic Republic of Iran*, 11(3), 217-219 (Summer 2000).
92. Prof. Mohammad Bolourtchian, Solvent-free three component condensation reaction of aromatic ketones with aliphatic amines and formaldehyde [(AMTTO) PdBr₂] 2 3, 5 THF, [(AMTTO) *Journal of Chemical Research(s)*, 380-381, (2000).
93. Prof. Mohammad Bolourtchian, Synthesis and crystal structure of new palladacycles. Submitted to *European Journal of Chemistry*, (2000).
94. Prof. Mohammad Bolourtchian, Solvent-free three component condensation reaction of aromatic ketones with aliphatic amines and formaldehyde. *Journal of Chemical Research (s)*, 380-381, (2000).
95. Prof. Mohammad Bolourtchian, A new synthesis of fused 1,2,4 triazine ones: thiazolo [3,2,b] 1,2,4 triazinone and 1,3-thiazino [3,2,b] [1,2,4] triazione. *Indian Journal of Heterocyclic Chemistry*, 10 (1), 77-78, (2000).
96. Prof. Mohammad Bolourtchian, Synthesis and characterization of substituted 3-hydroxy of 1, 2, 4-triazolo [5,1,b] -1,3-thiazine, *Indian Journal of Heterocyclic Chemistry*, 10(2) 153-154, (2000).

97. Prof. Mohammad Bolourtchian, Ultrasound accelerated reductive coupling of imine or iminium ion generated in 5M lithium perchlorate solution by lithium metal, *Synthetic Communications*, 31(23) 19-24 (2001).
98. Prof. Mohammad Bolourtchian, Microwave assisted selective oxidation of benzylic alcohols with calcium hypochlorite under solvent –free conditions. *Monatshefte fur Chemie*, 132, 655-658 (2001).
99. Prof. Mohammad Bolourtchian, Wet alumin supported 3-carboxypyridinium chlorochromate selective oxidation of alcohols in solventless system. *Indian Journal of Chemistry*. 40B (May), 436-437(2001).
100. Prof. Mohammad Bolourtchian, Silylation of hydroxy groups with HMDS under microwave irradiation and solvent – free condition. *Phosphorus, Sulfur and Silicon*, 177, 289 (2002).
101. Prof. Mohammad Bolourtchian, Crystal structure and properties of a new 2,2- ortho (metaxylene) E-bridged stilbenophane. *Z. Anorg. Allg. Chem.* 628, 681-684 (2002).
102. Prof. Mohammad Bolourtchian, Microwave promoted efficient synthesis of substituted uracils and thiouracils under solvent –free condition. *Synthetic Communications*, 32(6), 851-855 (2002).
103. Prof. Mohammad Bolourtchian, HY zeolite as an extremely active and reuseable catalyst in acylation of alcohols with acid antydride in a solventless System. *Phosphorus, Sulfur and Silicon*, Vol. 177, 2295-2297 (2002).
104. Prof. Mohammad Bolourtchian, Silylation of alcohols and phenols by HMDS with hexamethyldisilane under microwave irradiation in solvent-free condition. *Asian Chemistry letters*.
105. Prof. Mohammad Bolourtchian, Synthesis of 1,2,4- triazolo [3,2-b][1,2,4]-1,3-thiazine. Submitted to *Indian Journal of Heterocyclic Chemistry*.
106. Prof. Mohammad Bolourtchian, A new synthesis of fused pyrimidines. Submitted *Indian Journal of Heterocyclic Chemistry*.
107. Prof. Mohammad Bolourtchian, Silica chloride catalyzed cyclization reaction. Submitted to *Journal of Chemical Research*.
108. Prof. Mohammad Bolourtchian, Synthesis and characterization of substituted 3-hydroxy – 1,2,4- triazolo [5,1-b] 1,3-thiazine. Submitted to *Scientica Iranica*.
109. Prof. Mohammad Bolourtchian, HY zeolite catalyzed oxidation of alcohols with CrO_3 under microwave irradiation in solventless system. Submitted To *Synth. Commun.*
110. Prof. Mohammad Bolourtchian, A new synthesis of fused triazines. Submitted to *Indian J. Het. Chem.*

111. Prof. Mohammad Bolourtchian, Synthesis, Characterization and Properties of Two novel E-and 2-Stilbenophanes: their lithium selective complexation and the C hydrogen bonds in X-ray structure of E-isomer supramolecular, Chem 15, 55 (2003).
112. Prof. Mohammad Bolourtchian, Synthesis and Characterization of Novel Stilbenophanes: The Smallest Members of this Class of Compounds, supramolecular, Chem Vol. 15(6) pp.465-468, (2003).
113. Prof. Mohammad Bolourtchian, Synthesis, Characterization and Properties of Two novel E-and 2-Stilbenophanes: their lithium selective complexation and the C hydrogen bonds in X-ray structure of E-isomer, Supramolecular, Chem 15, 55 (2003).
114. Prof. Mohammad Bolourtchian, Microwave- Assisted Synthesis of the tetadentate Schiff-Bases Under Solvent, Synthetic Communications, Vol. 33, No. 4, pp. 521-525 (2003).
115. Prof. Mohammad Bolourtchian, Palladium-catalyzed reduction of olefins with triethylsilane, Tetrahedron Letters, 44: 4579-80, (2003).
116. Prof. Mohammad Bolourtchian, A novel and efficient method for double bond isomerization, Journal of Organometallic Chemistry 678:1-4 (2003).
117. Prof. Mohammad Bolourtchian, High Yield synthesis of aryl cyanides under microwave irradiation, Journal of Chemical Research(s), 814-815, (2003).
118. Prof. Mohammad Bolourtchian, Synthesis of phenols and naphthols by alkali metal hydride fusion under microwave irradiation, Journal of Chemical Research(s), 812-813, (2003).
119. Prof. Mohammad Bolourtchian, Studies on the silylation reaction of α , β – epoxy esters synthesized by darzen's condensation reaction Phosphorus, Sulfur, and Silicon, 178: 2545-2550, (2003).
120. Prof. Mohammad Bolourtchian, Organosilicon Compounds, Journal of Chemistry, Vol. 7(C-P4), Reference Work, Russia.
121. Prof. Mohammad Bolourtchian, Organosilicon Compounds, Journal of Chemistry, Vol. 8(2) (Cp-4), p. (CP4-191), (CP4-200), (CP4-207), (CP4-243), (N/A), Reference Work, Russia.
122. Prof. Mohammad Bolourtchian, Organosilicon Compounds, Journal of Chemistry, Vol. 10 (2), (BF-1), p.21, 30, 31, (N/A), Reference Work, Russia.
123. Prof. M. Bolourtchian, M. M. Mojtahedi, M. H. Ghasemi, M. S. Abaee, "Microwave-Assisted Ring Opening of Epoxides with Thiols on Montmorillonite K – 10 Solid support, ARKIVOC, 68 – 73, (2005).

124. Prof. M. Bolourtchian, M. M. Aghayan, R. Boukherroub, "Palladium-Catalyzed Protection of Alcohols and Cleavage of Triethylsilyl Ethers", *Journal of Organometallic Chemistry*, 690, 2372-2375, (2005).
125. Prof. M. Bolourtchian, M. S. Abaee, M. M. Mojtahedi, M. Mehdi Zahedi, "first Highly Efficient Synthesis of Bis(Arylmethylidene) Pyranones Mediated by Lithium Perchlorate", *Synthetic Communications*, 36: 199-206,(2006).
126. Prof. M. Bolourtchian, M. M. Mojtahedi, M.R. Jalali, M.S.Abaee, "Microwave- Assisted synthesis of Substitued Pyrazolones under Solvent-Free Conditions", *Heterocyclic Communication*, Vol. 12, Nos. 3-4, 2006, 225- 228.
127. Prof. S. M. Bolourtchian, M. Mirza- Aghayan, R. Boukherroub " A Mild and Efficient Palladium – Triethylsilane System for Reduction of Olefins and Carbon- Carbon Double Bond Isomerization", *Appl. Organometal. Chem.*, No. 20, 2006, 214- 219.
128. Prof. S. M. Bolourtchian , M. R Naimi-Jamal, M. Mirzaei, and A. Sharifi,"One – Pot Solvent – Free Preparation of 2-Phenyl-1,3,2 – Aryldioxaborins on Acidic Alumina", *Synthetic Communication*, No. 36, 2006, 2711- 2717.
129. Prof. M. Bolourtchian, M. M. Mojtahedi, M .R Jalali, M. S. Abaee, "Microwave- Assisted Synthesis of Substitued Pyrazolones under Solvent – Free Conditions", *Heterocyclic Communication*, Vol. 12, Nos. 3-4, 2006, 225- 228.
130. Prof. M. Bolourtchian, M. Mirza- Aghayan, R. Boukherroub and S. "A Mild and Efficient Palladium – Triethylsilane System for Reduction of Olefins and Carbon – Carbon Double Bond Isomerization", *Appl. Organometal. Chem.*, No. 20,2006,214-219.
131. Prof. M. Bolourtchian, M. Ghaffarzadeh, Z. Hassanzadeh Fard, M. R. Halvagar and F. Mohsenzadeh, "One – Step Synthesis of Aromatic Terminal Alkynes From Their Corresponding Ketones under Microwave Irradiation", *Synthetic Communication*, No. 36, (2006), 1973- 1981.
132. Prof. M. Bolourtchian, M. M. Mojtahedi, M. R . Jalali, "Facile Synthesis of Pyranol [2,3-c]Pyrazol – 6- One Derivatives under Microwave Irradiation in solvent – Free Conditions", *Synthetic Communications*, 36: 51-57, (2006).
133. Prof. M. Bolourtchian, M. M. Mojtahedi, M. S. Abaee, H. Abbasi, "Facile Room – Temperature $Mg_2Br_2 \cdot OEt_2$ - Catalyzed Thiolytic of Epoxides under Solvent - Free Conditions", *Phosphorus, Sulfur, and Silicon*, 182, (2007), 905- 910.
134. Prof. M. Bolourtchian, M. Ghaffarzadeh, M. Gholamhosseini, F. Mohsenzadeh, "Synthesis of Arylaldehydes: Br_2 /DMSO Catalytic System for the Chemoselective Oxidation of Methylarenes", *Applied Catalysis A: General* 333, (2007), 131-135.

135. Prof. , M. Bolourtchian , M. Mirza- Aghayan, R. Boukherroub, M. Rahimifard, "Palladium Catalyzed Mild Reaction of α,β - unsaturated Compounds by Triethylsilane", Journal of Organometallic Chemistry, 692, (2007), 5113- 5116.
136. Prof. M. Bolourtchian, N. Azizi, A. Khajeh-Amiri, H. Ghafuri, M.R. Saidi, "Iron-Catalyzed Inexpensive and Practical Synthesis of N-Substituted Pyrroles in water", Synlett, 14,(2009),2245-2248.
137. Prof. M. Bolourtchian, N. Azizi, A.K. Amiri, R. Baghi, M.M Hashemi, "PTSA Catalyzed simple and green synthesis of benzothiazole derivatives in water", Monatshefte Fur Chemie, 140, (2009),1471-1473.
138. Prof. Mohammad Bolourtchian, Mohammad Ghaffarzadeh, Kourosh Tabar-Heydar, Iman Daryaei and farshid Mohsenzadeh,"H₂O₂ – HBr: A metal-Free and organic solvent-free reagent system for the synthesis of arylaldehydes from methylarenes", Journal of Chemical Sciences, Vol. 121,No.2,March (2009), 177-182.
139. Prof. M . Bolourtchian , N. Azizi, A. Khajeh Amiri, and M.R. Saidi "A Green and Highly Efficient Alkylation of Thiols in Water, Journal of the Iranian Chemical Society, Vol. 6, No. 4, (2009),pp.749-753.
140. Prof. Mohammad Boulourtchian, Najmedin Azizi, Alireza Khajeh Amiri " Highly Chemoselective Reductive Amination by one Pot Reaction of Aldehydes, Amines And Dihydropyridine Catalyzed by TMSCl", (2009).
141. Prof. Mohammad Bolourtchian, Najmedin Azizi, and Alireza khajeh Amiri,"New Methodogies for General Synthesis of 2- Substituted ME₂SI – Bridged Bis (INDENYL) Zirconocene Complex.(2009)
142. Prof. M. Bolourtchian, M.Mirza – Aghayan, A.Moradi "A Novel and Efficient One-Pot Method to Biginelli-Like Scaffolds", Journal of the Iranian Chemical Society, Vol.7,No.1, (2010), 269-274.
143. Prof. M. Bolourtchian, N.Azizi, R. Baghi, H. Ghafuri, M.M Hashemi, "Silicon Tetrachloride Catalyzed Aza-Michael Addition of Amines to Conjugated Alkenes under solvent-free Conditions", Synlett, (2010) ,379-382.
144. Prof. M.Bolourtchian, N. Azizi, A. Khajeh-Amiri, H. Ghafuri, "LiOH-Catalyzed Simple Ring Opening of Epoxides under Solvent-Free Conditions", Phosphorus, Sulfur, and Silicon, 185:1550-1557,(2010).
145. Prof. M. Bolourtchian, N. Azizi, A.R. Khajeh Amiri, H. Ghafuri, M.R. Saidi " Highly Chemoselective Reductive Amination by One Pot Reaction of Aldehydes, Amines and

Dihydropyridin Catalyzed by TMSCI", Journal of the Iranian Chemical Society, Vol.7, No.2, June (2010), 428- 431.

146. Prof. Mohammad Bolourtchian, Maryam Mirza- Aghayan, Rabah Boukherroub, Mahshid Rahimifard, "Palladium-catalyzed reduction of nitroaromatic compounds to the corresponding anilines", Applied Organometallic Chemistry Volume 24, Issue 6, pages 477-480, June (2010).
147. Prof. Mohammad Bolourtchian, Maryam Mirza-Aghayan, Alireza Moradi, Rabah Boukherroub," Cheap and Efficient Protocol for the Synthesis of Tetrahydroquinazolinone, Dihydropyrimidinone, and Pyrimidinone Derivatives", Synthetic Communications, 40: 8-20, (2010).
148. Prof. Mohammad Bolourtchian, Najmedin Azizi, Alireza khajeh-Amiri, Hossein Ghafari, "Toward a practical and Waste – free synthesis of thioureas in water", Mol Divers (2011), 15:157-161.
149. Prof. Mohammad Bolourtchian, Mojtaba Ziaee, Morteza Samini, Mohammad Ghaffarzadeh, Maryam Ahmadi, Mohammad Ali Egbal, Arash Khorrami, Sina Andalib, Nasrin Maleki-Dizaji and Alireza Garjani," Synthesis of a Novel Siliconized Analog of Clofibrate (Silafibrate) and Comparison of their Anti-inflammatory Activities", Iranian Journal of Pharmaceutical Research (2012),11 (1):91-95.
150. Prof. Mohammad Bolourtchian, M.GhaffarzadehMaryam Ahmadi, "Fries Rearrangement on Hydro- fluorinated Silica Surface".
151. Prof. Mohammad Bolourtchian , N.Azizi, N.Dadv, "Synthesis of N-substituted pyrroles in water in the presence of organocatalyst.
152. Prof. Mohammad Bolourtchian, M.Ghaffarzadeh, S. Shahrivari, "An efficient one-pot synthesis of amides from imines using triethylsilane in the presence of Zinc and carboxylic anhydride.
153. Prof. Mohammad Bolourtchian, Elham Saky, "Operationally Simple and Selective Michael Addition under in Water in the presence of organocatalyst.
154. Prof. M. Bolourtchian, N. Azizi, N. Davodipoor, "Practical and mild synthesis of [3,2,A] carbozole, pyrrole and β - aminoketone under mild reactions conditions.
155. Prof. M. Bolourtchian, N.AziziSimple and practical synthesis of N- substituted pyrroles in water in the Presence of organocatalyst.
156. Prof. M. Bolourtchian, N. Azizi, M. Lashkari Practical mild synthesis of [3,2,A] carbozole, pyrrole and β -aminoketone under mild reactions conditions.
157. Prof. Mohammad Bolourtchian, Organosilicon Compounds, Journal of Chemistry, Vol. 8(2) (CP-4), p. (CP4-191), (CP4-200), (CP4-207), (CP4-243), (N/A), Reference Work, N/A, Russia
158. Prof. Mohammad Bolourtchian, Organosilicon Compounds, Journal of Chemistry, Vol 10 (2), (BF-1), p.21,30,31, (N/A), Reference Work, N/A,Russia

159. Fatemeh saadatfar, Ali Shayanfar, Elaheh Rahimpour, Mohammad Barzegar – Jalili, Fleming martinez, Mohammad Bolourtchian, Abolghasem Jouyban
“Measurement and correlation of clotrimazole solubility in ethanol + water mixtures at T= (293.2 to 313.2) K “

Conferences & Samposiums & Congresses

1. Prof. Mohammad Bolourtchian, C-silylation of amides conjugated, heteorcyclic, aromatic and alifatic, N, N-disubstituted, 6th International Congress of Heterocyclic Chemistry, Tehran, (1977), Conference Document, Islamic Republic of Iran.
2. Prof. Mohammad Bolourtchian, Action of Trimethychlorosilane on ketoepoxides in presence of magnesium, 7th International Symposium on Organosilicon Chemistry, Kyoto, Japan, (1984), Conference Document, Japan.
3. Prof. Mohammad Bolourtchian, New Application of Mg for the synthesis of organosilicon compounds, First Iranian Congress of Chemistry & Chemical Engineering, September, Isfahan, (1986), Conference Document, Islamic Republic of Iran.
4. Prof. Mohammad Bolourtchian, Application du system Me Si Cl-Li-THF; a la synthesis d'amides C-silicies, 2nd Iranian Congress of Chemistry & Chemical Engineering, September, Mashhad, (1987), Conference Document, Islamic Republic of Iran.
5. Prof. Mohammad Bolourtchian, Nouvelles methodes de creation de la liasion Si-C a Partier de chlorosilance silylation de cetoepoxydes, 5th Iranian Congress of Chemistry & Chemical Engineering, September, Tehran, (1990), Reference Work, Islamic Republic of Iran.
6. Prof. Mohammad Bolourtchian, Synthesis of β -silylated amides, 9th International Symposium on Organosilicon Chemistry, July 16-20, Edinburgh, (1990), Conference Document, United Kingdom of Great Britain and Northern Ireland.
7. Prof. Mohammad Bolourtchian, New application of Li to silylation of different ketoepoxides, First Iranian Seminar on Organic Chemistry, Tehran, (1991), Conference Document, Islamic Republic of Iran.
8. Prof. Mohammad Bolourtchian, Reaction of trimethylchlorosilance with epoxyketones in the presence of lithium and THF, 15th International Conference on Organometallic Chemistry, Warsaw, (1992), Conference Document, Republic of Poland.
9. Prof. Mohammad Bolourtchian, A novel method for synthesizing carbofunctional organosilicons with use of lithium, 7th Iranian Congress Of Chemistry & Chemical Engineering, September, Isfahan, (1992), Conference Document, Islamic Republic of Iran.

10. Prof. Mohammad Bolourtchian, A study of the silylation reaction of imines with trimethylchlorosilane in the presence of lithium, 10th International Symposium on Organosilicon Chemistry, Poznan, (1993), Conference Document, Republic of Poland.
11. Prof. Mohammad Bolourtchian, Synthesis of silicon derivatives of drugs (prodrugs). First International Congress on Chemistry & Chemical Engineering, Tehran, September (1993).
12. Prof. Mohammad Bolourtchian, A novel method for synthesizing beta-silylated ketones, First International Congress on Chemistry & Chemical Engineering, Tehran, (1993), Conference Document, Islamic Republic of Iran.
13. Prof. Mohammad Bolourtchian, Synthesis of beta- trimethylsilyl olefines, 5th Belgian Organic Synthesis Symposium, Namur, 11-15 July, (1994), Conference Document, Kingdom of Belgium.
14. Prof. Mohammad Bolourtchian, Synthesis of beta- silylated aldehydes and ketones, 15th International Conference on Organometallic Chemistry, Sussex, (1994), Conference Document, United Kingdom of Great Britain and Northern Ireland.
15. Prof. Mohammad Bolourtchian, The carbon- silicon bBond; synthesis of new organosilicon compounds, 10th Iranian Congress of Chemistry and Chemical Engineering, Inst. of Standard Industrial Research of Iran, Karadj, (1995), Conference Document, Islamic Republic of Iran.
16. Prof. Mohammad Bolourtchian, Synthesis of acylalkyne silanes, 4th Iranian Seminar on Organic Chemistry, Mashhad, (1995), Conference Document, Islamic Republic of Iran.
17. Prof. Mohammad Bolourtchian, LiClO₄ Induced one pot three component aminoalkylation of beta- silylated aldehydes, 11th Iranian Chemistry & Chemical Engineering Congress, Tehran, (1996), Conference Document, Islamic Republic of Iran.
18. Prof. Mohammad Bolourtchian, Synthesis of silylated amino alkynes, 11th Iranian Chemistry & Chemical Engineering Congress, Tehran, (1996), Conference Document, Islamic Republic of Iran.
19. Prof. Mohammad Bolourtchian, Synthesis of bistrimethylsilylated hydroxy alkynes, 5th Iranian Seminar of Organic Chemistry, Isfahan University of technology, Isfahan, (1996), Conference Document, Islamic Republic of Iran.
20. Prof. Mohammad Bolourtchian, Synthesis of bistrimethylsilylated hydroxy alkynes, XIth International Symposium on Organosilicon Chemistry, Montpellier, September (1996), France.

21. Prof. Mohammad Bolourtchian, Microwave promoted reductive coupling of carbonyl compounds to bis (trimethylsilyl) pinacols under solvent - free conditions. 7th Belgian Organic Synthesis Symposium, Louvain- La-Neuve, Belgium, July (1998).
22. Prof. Mohammad Bolourtchian, Microwave promoted epoxidation of α,β - unsaturated ketones in aqueous sodium perborate. International Conference on Microwave Chemistry, Prague, September (1998).
23. Prof. Mohammad Bolourtchian, Synthesis of bistrimethylsililated hydroxy alkynes & silylated (amines, olefines, ether). 12th International Symposium on Organosilicon Chemistry, Sendai, Japan, May (1999).
24. Prof. Mohammad Bolourtchian, Novel stilbenophane; synthesis, characterization and properties. 12th European Symposium on Organic Chemistry, Groningen, the Netherlands, 13-18 July (2001).
25. Prof. Mohammad Bolourtchian, Ali Sharifi, Mojtaba Mirzaei, "Copper – Catalyzed Oxidative Homocoupling of Terminal Acetylenes on Solid Support Assisted by Microwave" 9th Iranian Seminar in Organic Chemistry, October, 16-18,(2001), Imam Hossein University.
26. Prof. Mohammad Bolourtchian Maryam Mirza-Aghayan, Hossein Reza Darabi, laleh Ali-Saraie, " 9th Iranian Seminar in Organic Chemistry",October, 16-18, (2001), Imam Hossein University.
27. Prof. Seyyed Mohammad Bolourtchian, Mohammad Saeed Abaee, "Synthesis of activated 2H-Thiopyran Dienes" 9th Iranian Seminar in Organic Chemistry, October, 16-18,(2001), Imam Hossein University.
28. Prof. Mohammad Bolourtchian, Ali Shrif, Mojtaba Mirzaei, "Synthesis of Bis(1-(1-Naphthyl)-Indene) Zirconium Dichloride" 9th Iranian Seminar in Organic Chemistry", October 16-18, (2001), Imam Hossein University.
29. Prof. Mohammad Bolourtchian, Maryam Mirza-Aghayan, Hossein Reza Darabi, laleh Ali-Saraie, Mitra Ghassemzadeh, Bernhard Neumuller, "Crystal Structure and Property of New 2,2 Ortho(metaxylene) E- bridged-stilbenophane" 9th Iranian Seminar in Organic Chemistry, October, 16-18,(2001), Imam Hossein University.
30. Prof. Mohamad Bolourtchian, Abed Badrian, "A Study of The Silylation Reactions of α, β – Epoxy esters", 10th Iranian Seminar In Organic Chemistry, University of Gilan, P1-51, September 2002.
31. Prof. Mohammad Bolourtchian, Abed Badrian, " Synthesis of α, γ -Disilylated Amines From β -Silylated Imines", 10th Iranian Seminar In Organic Chemistry, University of Gilan, P1-53, September 2002.

32. Prof. Mohammad Bolourtchian, Ali Sharifi, Mojtaba Mirzaei, "Microwave Assisted Deprotection of Dimethylhydrazones to Corresponding Carbonyl Compounds with New Reagents", 10th Iranian Seminar In Organic Chemistry, University of Gilan, P2-202, September 2002.
33. Prof. Mohammad Bolourtchian, Ali Sharifi, Mojtaba Mirzaei, "Homo-Coupling of Terminal Acetylenes on KF/Alumina", 10th Iranian Seminar In Organic Chemistry, University of Gilan, P2-26, September 2002.
34. Prof. Mohammad Bolourtchian, Maryam Mirza Aghayan, Mitra Ghasemzadeh, Bernard Neumuller, "Synthesis of the Imines under solvent – free condition", 10th Iranian Seminar In Organic Chemistry, University of Gilan, P2-167, September 2002.
35. Prof. Mohammad Bolourtchian, Maryam Mirza Aghayan, Maryam Hosseini, "A novel method for synthesis of tetra dentate Schiff-Base", 10th Iranian Seminar In Organic Chemistry, University of Gilan, P2-166, September 2002.
36. Prof. Mohammad Bolourtchian, Ali reza Mohebbi, Hossein darabi, "Synthesis, characterization & properties of two novel E-and Z- ortho botanoxo – bridged – stilbenophane", 10th Iranian Seminar In Organic Chemistry, University of Gilan, P2-128, September 2002.
37. Prof. Mohammad Bolourtchian, Mohammad Reza Saeedi, Mohammad Majid Mojtahedi, Mohammad Reza jalali Farahani, "Microwave Promoted Efficient Synthesis of Substituted Uracils & Thiouracils under Solvent-Free Conditions", 10th Iranian Seminar In Organic Chemistry, University of Gilan, P2-126, September 2002.
38. Prof. Mohammad Bolourtchian, Majid Heravi, Mohammad Majid Mojtahedi, "Deprotection of Oximes Using Bi(NO₃)₃, 5 H₂O-Montmorillonite Mediated Under Microwave Irradiation", 10th Iranian Seminar In Organic Chemistry, University of Gilan, P2-125, September 2002.
39. Prof. Mohammad Bolourtchian, Mohammad Majid Mojtahedi, Mohammad Reza jalali, "Microwave Promoted Efficient Synthesis of Substiuted Pyrzalones under Solvent – Free Conditions", 10th iranian Seminar In Organic Chemistry, University of Gilan, P1-96, September 2002.
40. Prof. Mohammad Bolourtchian, Mohammad Majid Mojtahedi, Mohammad Reza Jalali, "Microwave Promoted Efficient protection of oximes under Solvent-Free Conditions", 10th Iranian Seminar In Organic Chemistry, University of Gilan, P1-97, September 2002.
41. Prof. Mohammad Bolourtchian, Synthesis and propertf Novelist–benophanes 13th European Symposium on Organic Chemistry, September 10-15, Croatia (2003).

42. Prof. Mohammad Bolourtchian, Ali Sharifi, Mojtaba Mirzaei, "Darzens reaction of α -haloesters with aromatic aldehydes on KF-Alumina", 14th Iranian Chemistry & Chemical Engineering Congress", 17-19 February (2004).
43. Prof. Mohammad Bolourtchian, Mohammad M Mojtahedi, Hassan Abbasi and "Microwave assisted oxidation of Trimethyl silyl ethers With Calcium hypochlorite under solvent-free conditions", 11th Iranian Seminar of Organic Chemistry, 1-3 February, 2005.
44. Prof. Mohammad Bolourtchian, Maryam Mirza-Aghayan, Rabah Boukherroub, "Palladium acetate catalyzed double-bond isomerization", 11th Iranian Seminar of Organic Chemistry, 1-3 February, 2005.
45. Prof. Mohammad Bolourtchian, Mohammad Mojtahedi, Hassan Abbasi, "Novel and Efficient Method for Silylation Hydroxy Compounds With HMDS in Ionic Liquid", 11th Iranian Seminar of Organic Chemistry, 1-3 February, 2005.
46. Prof. Mohammad Bolourtchian, Mohammad M Mojtahedi, and Hassan Abbasi, "Microwave assisted oxidation of Trimethyl Silyl ethers with calcium hypochlorite under solvent – free conditions", 11th Iranian Seminar of Organic Chemistry, 1-3 February, 2005.
47. Prof. Mohammad Bolourtchian, Maryam Mirza-Aghayan, Rabah Boukherroub, Maryam Hoseini, "Palladium on Activated Charcoal and Silicon Hydride Efficient System for Olefin Isomerization", 11th Iranian Seminar of Organic Chemistry, 1-3 February, 2005.
48. Prof. Mohammad Bolourtchian, Maryam Mirza-Aghayan, Rabah Boukherroub, "Palladium Catalyzed Olefins Reduction", 11th Iranian Seminar of Organic Chemistry, 1-3 February, 2005.
49. Prof. Mohammad Bolourtchian, Maryam Mirza-Aghayan, Rabah Boukherroub, "Palladium acetate catalyzed double-bond isomerization", 11th Iranian Seminar of Organic Chemistry, 1-3 February, 2005.
50. Prof. Bolourtchian M, Sharifi Ali, Mirzaei Mojtaba, " Synthesis of Allenes From Propargyl Ethers under Microwave Irradiation on KF/Alumina", 12th Iranian Seminar of Organic Chemistry, Ahwaz Jundi Shapour University of Medical Sciences. 7-9 March 2006.
51. Prof. M. Bolourtchian, Ali Sharifi, Mojtaba Mirzaei, M. Reza Naimi-Jamal, " Modified Glaser Reaction of Terminal Alkynes on KF- Alumina", 12th Iranian Seminar of Organic Chemistry, Ahwaz Jundi Shapour University of Medical Sciences. 7-9 March 2006.
52. Prof. Mohammad Bolourtchian, M.Saeed Abaee, Roholah Sharifi, M. Mehdi Zahedi, Mohammad M. Mojtahedi, Hassan Abbasi, & "Solvent-Free Synthesis of Bis(arylmethylidene) cycloalkanones Using Lithium Perchlorate", 12th Iranian Seminar of

Organic Chemistry, Ahwaz Jundi Shapour University of Medical Sciences. 7-9 March 2006.