Curriculum Vitae

Ramin Ghahremanzadeh
Ph.D.
In Organic Chemistry
From Shahid Beheshti University
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1. Personal Details

Name: Ramin
Surname: Ghahremanzadeh
Date of birth: 21, Sep. 1980

Place of birth: Miyandoab (West Azarbaijan), Iran
Marital status: Single
Nationality: Iranian
Language: Turkish (maternal language), Persian (National Language, writing, reading, speaking) and English (writing, reading, speaking)

2. Education

B.Sc. in Chemistry
Azarbaijan Teacher Training (Tabriz) University of Iran, (2002).

M.Sc. in Organic Chemistry
Shahid Beheshti University, Tehran, Iran (Supervisor Prof. Khosrow Jadidi and Prof. Zohreh Habibi) (Sep. 2005).

Thesis:
(1) Synthesis of N-Alkyl-4-imino(Anilin)3,1-Benzoxazine-2-one and other Aniline derivatives..
(2) Phytochemical Investigation on some species of Iranian Plants.

Ph.D. Student in Organic Chemistry
Shahid Beheshti University, Tehran, Iran (Supervisor Prof. Ayoob Bazgir and Prof. Khosrow Jadidi) (2005).
Thesis: Syntheses of novel spiroheterocycles in water.

3. Research Interests

(1) Multi-component reactions
(2) Synthesis of heterocyclic compounds
(3) Asymmetric Synthesis of Organic Compounds

4. Papers Published in International Journals

(1) Z. Habibi, H. R. Aghaie, **R. Ghahremanzadeh**, S. Masoudi, A. Rustaiyan, Composition of the essential oils of Ferula szowitsiana DC., Artedia squamata L. and Rhabdosciadium petiolare Boiss. & Hausskn. ex Boiss. Three Umbelliferae herbs growing wild in Iran, *Journal of Essential oil Research*, 18**(2006)** 503.

(2) K. Jadidi, **R. Ghahremanzadeh**, M. Mehrdad, H. R. Darabi, H. R. Khavasi, D. Asgari, A facile synthesis of novel pyrolizidines under clasiccal and solvent-free microwave-assisted conditions, *Ultrasonics Sonochemistry*, 15 (**2008**) 124.

(3) K. Jadidi, **R. Ghahremanzadeh**, M. Mehrdad, H. R. Darabi, M. M. Moghaddam, and

H. R. Khavasi, A facile synthesis of novel pyrolizidines under clasiccal and ultrasonic conditions, *Journal of Chemical Research*, February, (**2007**) 71.

(4) K. Jadidi, **R. Ghahremanzadeh**, M. Mehrdad, M. Ghanbari, H. Arvin-nejhad, A simple indirect route for the synthesis of N-Alkyl-4-imino-1,4-dihydro-2H-3,1-benzoxazin-2-ones, *Monatshefte fur Chemie*. January, 28 (**2008**) 277.

(5) K. Jadidi, **R. Ghahremanzadeh**, D. Asgari, P. Eslami, H. Arvin-nejhad, Eco-friendly synthesis of 1,4-benzodiazepine-2,5-diones in the ionic liquid [bmim]Br, *Monatshefte fur Chemie*. June, 139 (**2008**) 1229.

(6) R. Ghahremanzadeh, S. Ahadi, M. sayyafi, A. Bazgir, Reaction of phthalhydrazide_ and acetylenedicarboxylates in the presence of N-heterocycles: An efficient synthesis of phthalazine derivatives. *Tetrahedron Lett*. 49 (**2008**) 4479 .

(7) R. Ghahremanzadeh, G. Imani Shakibaei, A. Bazgir, An efficient one-pot synthesis of 1*H*-Pyrazolo[1,2-*b*]phthalazine-5, 10-dione derivatives, *Synlett*, January, 21 (**2008**), 1129.

(8) R. Ghahremanzadeh, S. C. Azimi, N. Gholami, A. Bazgir, Clean synthesis and antibacterial activities of Spiro[pyrimido[4,5-*b*]quinoline-5,5-pyrrolo[2,3-*d*]pyrimidine]-pentaones, *Chem. Pharm. Bull*. 56(11), (**2008**).

(9) R. Ghahremanzadeh, M. Sayyafi, S. Ahadi, and A. Bazgir, Novel one-pot, three-component synthesis of spiro[indoline-pyrazolo[4′,3′:5,6]pyrido[2,3-*d*]pyrimidine]trione library, *J. Comb. Chem*. 11 (**2009**) 393.

(10) K. Jadidi, **R. Ghahremanzadeh**, and A. Bazgir, Spirooxindoles: Reaction of 2,6-diaminopyrimidin-4(3*H*)-one and isatins, *Tetrahedron* 65 (**2009**) 2005.

(11) K. Jadidi, **R. Ghahremanzadeh**, and A. Bazgir, Efficient synthesis of spiro[chromeno[2,3-*d*]pyrimidine-5,3'-indoline]-tetraones by a one-pot and three-component reaction, *J. Comb. Chem*. 11 (**2009**) 341.

(12) M. R. Nabid, S. J. Tabatabaei Rezaei, **R. Ghahremanzadeh**, A. Bazgir, Ultrasound-assisted one-pot, three-component synthesis of 1H-pyrazolo[1,2-b]phthalazine-5,10-diones, Ultrasonics Sonochemistry 17 **(2010)** 159.

(13) A. Bazgir,a M. Moammadi Khanaposhtani, **R. Ghahremanzadeh**, A. Abolhasani Soorki, A clean, three-component and one-pot cyclo-condensation to pyrimidine-fused heterocycles, Comptes rendus Chimie. 12 **(2009)** 1287.

(14) R. Ghahremanzadeh, T. Amanpour, and A. Bazgir, An efficient, three-component synthesis of spiro[benzo[g]chromene-4,3'-indoline]-3-carbonitrile and spiro[indoline-3,5'-pyrano[2,3-d]pyrimidine]-6'-carbonitrile derivatives, *J. Heterocyclic Chem.* 46 **(2009)** 1266.

(15) R. Ghahremanzadeh, T. Amanpour, and A. Bazgir, Clean Synthesis of Spiro[indole-3,8'-phenaleno[1,2-b]pyran]-9'-carbonitriles and Spiro[indole-3,4'-pyrano[4,3-b]pyran]-3'-carbonitriles by One-pot, Three-component Reactions, *J. Heterocyclic Chem.* 47 **(2010)** 46.

(16) S. Ahadi, R. Ghahremanzadeh, P. Mirzaei and A. Bazgir, Synthesis of spiro[benzopyrazolonaphthyridine-indoline]-diones and spiro[chromenopyrazolo pyridine-indoline]-diones by one-pot, three-component methods in water, Tetrahedron 65 **(2009)** 9316.

(17) R. Ghahremanzadeh, S. Ahadi and A. Bazgir, A one-pot, four-component synthesis of α-carboline derivatives in green media, Tetrahedron Lett. 50 (**2009**) 7379.

(18) R. Ghahremanzadeh, T. Amanpour, M. Sayyafi and A. Bazgir, One-pot three-component synthesis of spironaphthopyrano[2,3-*d*]pyrimidine-5,3'-indolines in water , *J. Heterocyclic Chem.* 47 **(2010)** 421.

(19) R. Ghahremanzadeh, F. Fereshtehnejad, Z. Yassaee, T. Amanpour and A. Bazgir, One-pot and three-component synthesis of spiro[chromeno[2,3-d]pyrimidine-5,3'-indoline]-diones and spiro[chromeno[2,3-c]pyrazole-4,3'-indoline]-diones, *J. Heterocyclic Chem*. 47 (**2010**) 967.

(20) R. Ghahremanzadeh, G. Imani Shakibaei, S. Ahadi and A. Bazgir, One-pot, pseudo four-component synthesis of spiro[diindeno[1,2-b:2',1'-e]pyridine-11,3'-indoline]-trione library, *J. Comb. Chem.*12 (**2010**) 191.

(21) R. Ghahremanzadeh, F. Fereshtehnejad, and A. Bazgir, Chromeno[2,3-d]pyrimidine-trione library synthesis by a three-component coupling reaction, *Chem. Pharm. Bull.* 58(4) (**2010**) 516.

(22) R. Ghahremanzadeh, S. Ahadi, G. Imani Shakibaei and A. Bazgir, Grindstone Chemistry: One-pot synthesis of spiro[diindenopyridine-indoline]-triones and spiro[acenaphthylene-diindenopyridine]-triones, *Tetrahedron Lett*. 51 (**2010**) 499.

(23) G. Imani Shakibaei, A. Feiz, **R. Ghahremanzadeh** and A.Bazgir, Three-component synthesis of 2-oxoindolin-3-ylphosphonate library, *Chem. Pharm. Bull*. **2010,** (Accepted).

(24) G. Imani Shakibaei, S. Samadi, **R. Ghahremanzadeh**, and A. Bazgir, A simple and catalyst-free synthesis of oxoindolin-3-ylphosphonates, *J. Comb. Chem*. 12 (**2010**) 295.

(25) R. Ghahremanzadeh, T. Amanpour and A. Bazgir, Pseudo four-component synthesis of benzopyranopyrimidines, *Tetrahedron Let***.** 51(**2010**) 4202.

Submitted Papers:

(26) R. Ghahremanzadeh, H. Rouhi-Sadabad, A. Bazgir, One-pot reaction of isocyanides, dialkyl acetylenedicarboxylates, and 2,3-dichloronaphthalene-1,4-dione: A synthesis of novel dispirofuran-2,1'-naphthalenes, *Tetrahedron Let*. **2009,** (Submitted).

(27) R. Ghahremanzadeh, S. Ahadi and A. Bazgir, α-Carboline derivatives: A novel and one-pot, three-component synthesis of indolopyrazolopyridines, *Tetrahedron Let*. **2009,** (Submitted).

(28) K. Jadidi, **R. Ghahremanzadeh**, P. Mirzaei and A. Bazgir, One-pot, three-component synthesis of spiro[indoline-3,5'-pyrimido[4,5-b]quinoline]-triones in water, *J. Heterocyclic Chem*. **2009,** (Submitted).

(29) R. Ghahremanzadeh, F. Fereshtehnejad, P. Mirzaei, A. Bazgir, Ultrasound-assisted synthesis of 2,2'-(2-oxoindoline-3,3-diyl)bis(1H-indene-1,3(2H)-dione) derivatives, *Ultrasonics Sonochemistry*. **2009**, (Submitted).

(30) L. Moafi, **R. Ghahremanzadeh,** S. Ahadi and A. Bazgir, One-pot synthesis of chromene derivatives**,** *Tetrahedron Lett*. **2010,** (Submitted).

(31) R. Ghahremanzadeh, G. Hosseini, P. Mirzaei and A Bazgir, Synthesis of spirooxindole library by a tandem three-component reaction, *J. Comb. Chem*. **2010,** (Submitted).

5. Papers Presented at National and International Seminars

(1) Z. Habibi, **R. Ghahremanzadeh**, Compositin of the Essential Oil of Artedia squamata L. from Iran. **11th Iranian Seminar of Organic Chemistry 1–3 February, 2004, Technical University of Esfahan, Iran.**

(2) Habibi, A. Laleh, **R. Ghahremanzadeh**, Composition of the Essential Oil of Lagochillus aucheri Boiss., from Iran. **35th International symposium on Essential oils September 29 – October 2, 2004, Italy.**

(3) Z. Habibi, **R. Ghahremanzadeh**, Phytochemical investigation of Salvia persepolitana Boiss. Native to Iran. **First National Seminar of Medicinal & Natural Products Chemistry 10–11 may, 2005, Shiraz, Iran.**

(4) M. Mehrdad, **R. Ghahremanzadeh**, k. Jadidi, P. Islami, Simple Indirect Synthesis of *N*– Alkyl– (1*H* , 4*H*) – 3,1– benzoxazine – 2 – ones and Rearrangment Study of oxidation of 3 – Arylimino– 2 – indolinones. **12th Iranian Seminar of Organic Chemistry 7–9 March, 2006, Ahvaz, Iran.**

(5) K. Jadidi, N. Ghaffari Khaligh, M. Mehrdad, **R. Ghahremanzadeh**, F. Ghorbani, Conformational properties and pyramidal phosphrous atom inversion of (1,4)-Diphosphorinanes. **12th Iranian Seminar of Organic Chemistry 7–9 March, 2006, Ahvaz, Iran.**

(6) K. Jadidi, N. Ghaffari Khaligh, **R. Ghahremanzadeh**, M. Rahimi Fard, N. Alikami, A Diastereoselective One-Pot, Three Component Reaction for the synthesis of Spiro Indoles of Hydrolizines. **12th Iranian Seminar of Organic Chemistry 7–9 March, 2006, Ahvaz, Iran.**

(7) K. Jadidi, **R. Ghahremanzadeh**, D. Asghari, Efficient synthesis of new derivatives of 1,4-benzodiazepine-2,5-dione under different conditions. **13th Iranian Seminar of Organic Chemistry 7–9 September, 2006, Bu- Ali Sina University, Hamadan, Iran.**

(8) K. Jadidi, **R. Ghahremanzadeh**, D. Asghari, M. Mehrdad, M. Ghanbari, Simple synthesis of 1,4-benzodiazepine-2,5-diones in Ionic Liquid. **13th Iranian Seminar of Organic Chemistry 7–9 September, 2006, Bu- Ali Sina University, Hamadan, Iran.**

(9) R. Ghahremanzadeh, k. Jadidi, M. Mehrdad, D. Asghari, H. R. Khavassi, A Facile synthesis of Pyrrolo[2, 1-*c*][1,4]-benzodiazepines-2,5-diones under solvent free and ultrasonic conditions. **13th Iranian Seminar of Organic Chemistry 7–9 September, 2006, Bu- Ali Sina University, Hamadan, Iran.**

(10) R. Ghahremanzadeh, G. Imani Shakibaei, A. Bazgir, The couple "P-TSA/1-alkyl-3-methylimidazolium ionic liquids": excellent reagents–catalysts for the synthesis of 1*H*-pyrazolo[1,2-*b*]phthalazine-5,10-dione derivatives, **1st International catalysis conference 28-30 April, 2008, Shahid Beheshti University, Tehran, Iran.**

(11) T. Amanpour, **R. Ghahremanzadeh**, and A. Bazgir, An efficient, one-pot and three-component synthesis of 2-amino- 2',5,10-trioxo-5,10-dihydrospiro[benzo[*g*]chromene-4,3'-indoline]-3-carbonitrile. **15th Iranian Seminar of Organic Chemistry 27–29 August, 2008, Razi University, Kermanshah, Iran.**

(12) F. Fereshtehnezhad, **R. Ghahremanzadeh**, and A. Bazgir, A novel three-component reaction for the synthesis of 5-phenyl-8,9-dihydro-1H-chromeno[2,3-*d*]pyrimidine-2,4,6(3*H*,5*H*,7*H*)-trione derivatives. **15th Iranian Seminar of Organic Chemistry 27–29 August, 2008, Razi University, Kermanshah, Iran.**

(13) M. Sayyafi, **R. Ghahremanzadeh**, and A. Bazgir, One-Pot Synthesis and Antibacterial Activities of Novel 1*H*-Pyridazino[1,2-*a*]indazole-1,6,9(2*H*,11*H*)-triones.

15th Iranian Seminar of Organic Chemistry 27–29 August, 2008, Razi University, Kermanshah, Iran.

(14) K. Jadidi, **R. Ghahremanzadeh**, and A. Bazgir, A novel reaction of isatins. **15th Iranian Seminar of Organic Chemistry 27–29 August, 2008, Razi University, Kermanshah, Iran.**

(15) K. Jadidi, A. Bazgir, R. Ghadiri, **R. Ghahremanzadeh**, A simple and efficient synthesis of novel dispirobisindolopyrrolidine. **15th Iranian Seminar of Organic Chemistry 27–29 August, 2008, Razi University, Kermanshah, Iran.**

(16) A. Bazgir, **R. Ghahremanzadeh**, Novel methods of the synthesis of spirooxindoles, **15th Iranian Seminar of Organic Chemistry 27–29 August, 2008, Razi University, Kermanshah, Iran.**

(17) R. Ghahremanzadeh, A. Bazgir, A Novel one-pot, three-component synthesis of spiro[indoline-pyrazolo[4′,3′:5,6]pyrido[2,3-*d*]pyrimidine]trione library, **10th Tetrahedron Symposium 23–26 June , 2009, Paris, France.**

(18) R. Ghahremanzadeh, G. I. Shakibaei, A. Bazgir, one-pot, three-component synthesis of dialkyl-3-amino-2-ylphosphonate derivatives, **10th Tetrahedron Symposium 23–26 June , 2009, Paris, France.**

(19) A. Bazgir, T. Amanpour. **R. Ghahremanzadeh,** An efficient, one-pot and three-component synthesis of 7'H-spiro[indoline-3,8'-naphtho[1,8-gh]chromene]-9'-carbonitriles, **16th Iranian Seminar of Organic Chemistry 18–20 August, 2009, Zanjan University, Zanjan, Iran.**

(20) A. Bazgir, Gh. Imani Shakibaei, **R. Ghahremanzadeh,** A Facile Synthesis Of 1'-Phenyl-1'H-spiro[indoline-3,4'-pyridin]-2-ones Catalyzed By p-TSA, **16th Iranian Seminar of Organic Chemistry 18–20 August, 2009, Zanjan University, Zanjan, Iran.**

(21) A. Bazgir, G. Hosseini, **R. Ghahremanzadeh,** A Facile And Enviromentally Friendly Preparation Of Dihydropyrane Derivatives, **16th Iranian Seminar of Organic Chemistry 18–20 August, 2009, Zanjan University, Zanjan, Iran.**

(22) A. Bazgir, F. Fereshtehnejad, **R. Ghahremanzadeh,** A Facile, One-pot, and Enviromentally Friendly Preparation Of 2,2'-(2-oxoindoline-3,3-diyl)bis(1H-indene-1,3(2H)-dione) derivatives, **16th Iranian Seminar of Organic Chemistry 18–20 August, 2009, Zanjan University, Zanjan, Iran.**

(23) A. Bazgir, **R. Ghahremanzadeh,** A novel and green methods for the synthesis of spirooxindoles, **16th Iranian Seminar of Organic Chemistry 18–20 August, 2009, Zanjan University, Zanjan, Iran**.

(24) A. Bazgir, **R. Ghahremanzadeh,** S. Ahadi, Novel multi-component methods for preparation of new spirooxindole fused heterocycles in water, **16th Iranian Seminar of Organic Chemistry 18–20 August, 2009, Zanjan University, Zanjan, Iran**.

(25) R. Ghahremanzadeh, M. Mohammadpour Amini, S. Karimi Behzad, A. Tajarodi, A. Bazgir, Piperidine grafted on MCM-41: An efficient reusable heterogeneous catalyst for the one-pot synthesis of spiro[indoline-3,5'-pyrimido[4,5-b]quinoline]-triones in water, **3rd Conferences on Nanostructures (NS2010) 10-12 March, 2010, Kish Island, I. R. Iran.**

6. Completed and Current Research Projects Participated

(1) Simple synthesis of 1,4-benzodiazepine-2,5-dione derivatives under two different ionic liquid and solvent free conditions. Shahid Beheshti University, Tehran, Iran, **2006**.

(2) One-pot, three-component synthesis of 1*H*-indolo[2,3-*b*]pyrazolo[4,3-*e*]pyridine derivatives. Shahid Beheshti University, Tehran, Iran, **2009**.

7. Teaching for B.Sc. and M.Sc. Students at Shahid Beheshti University

(1) Advanced Organic Chemistry (M.Sc. Course)
(2) Organic Chemistry I (B.Sc. Course)
(3) Organic Chemistry II (B.Sc. Course)
(4) Organic Chemistry III (B.Sc. Course)
(5) Laboratory of General Chemistry (B.Sc. Course)