

**CURRICULUM VITAE  
GHADAM ALI  
KHODARAHMI**

**PERSONAL INFORMATION**

**Sure name:** Khodarahmi  
**Given name(s):** Ghadam Ali  
**Date of Birth:** April 29, 1964  
**Nationality:** Iranian  
**Marital status:** Married  
**Current position:** Professor  
**Department:** Medicinal Chemistry  
**Institution:** School of Pharmacy  
**City:** Isfahan  
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School of Pharmacy  
Isfahan University of Medical Sciences,  
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**CURRENT STATU**

Professor, Department of Medicinal Chemistry, School of Pharmacy, Isfahan University of Medical Sciences, Isfahan, IRAN

**EDUCATIONAL BACKGROUND**

2002 - 2003      **Post-Doctoral Fellowship in Synthesis and Cytotoxic Evaluation: Anti cancer Drugs**  
National Taiwan University, Taipei Taiwan

1993 - 1996      **PhD in Medicinal Chemistry: Drug design Synthesis Analysis**  
Welsh School of Pharmacy, Cardiff University, Cardiff, U. K.

1983 - 1988      **pharm D**  
Isfahan University of Medical Sciences, Faculty of Pharmacy

**SHORT COURSES & WORKSHOPS**

**CMES**

**PROFESSIONAL EXPERIENCES****EMPLOYMENT HISTORY****RESEARCH PROJECTS**

10

9

8

7 2014- **Bench scale chemical synthesis of hydroxychloroquine and pilot plant design to high scale synthesis of the drug**

**Khodarahmi** G A, Hassanzadeh F and Rostami M

*Place:* Faculty of pharmacy

6 2013- **Bench scale chemical synthesis of zolpidem and pilot plant design to high scale synthesis of the drug**

Hassanzadeh F, Rostami M and **Khodarahmi** G A

*Place:* Faculty of pharmacy

5 2013- **Preparation of folic acid targeted Pullulan – tocopheryl succinate conjugated MTX nanomicells as an effective drug delivery system and evaluation of their cytotoxicity on MCF7 and Hela cell lines**

Hassanzadeh F, Varshosaz, G and **Khodarahmi** G A

*Place:* Faculty of pharmacy

4 2013- **Preparation of Biotin targeted Pullulan – Retinoic acid conjugated DOX nanomicells as an effective drug delivery system and evaluation of their cytotoxicity on MCF7 cell line**

Hassanzadeh F, Varshosaz, G and **Khodarahmi** G A

*Place:* Faculty of pharmacy

3 2013- **Design and synthesis of poly (ethylene-co-vinyl alcohol)-retinoic acid targeted nano-systems based on the poly (ethylene-co-vinyl alcohol) as slow-biodegradable thermo sensitive polymer and evaluation of retinoic acid release profile as a function of temperature and evaluation the cytotoxicity of designed systems**

*Supervisors:* Hassanzadeh F, Varshosaz, G and **Khodarahmi** G A

(me as Supervisor)

*Place:* Faculty of pharmacy

2 2013- **Design and synthesis of poly (ethylene-co-vinyl alcohol)- folic acid targeted nano-systems based on the poly (ethylene-co-vinyl alcohol) as slow-biodegradable thermo sensitive polymer and evaluation of methotrexate release profile as a function of temperature and evaluation the cytotoxicity of designed systems**

*Supervisors:* Hassanzadeh F, Varshosaz, G and **Khodarahmi** G A  
(me as Supervisor)

*Place:* Faculty of pharmacy

*Student:* Sahar Maleki

1 2012-

**Design, synthesis and evaluation of some biological activities of novel 3-chloro-1, 4-diarylazetid-2-one derivatives**

*Supervisors:* Ghadamali **Khodarahmi**, Farshid Hassanzadeh,  
Gholamhossein Hakimelahi and Hamid Forutanfar (me as  
Supervisor)

*Place:* Faculty of Pharmacy

### TEACHING EXPERIENCE

- 1375- **کنترول فیزیکیوشیمیائی مواد داروئی- تنوری**  
تاکنون داروسازی  
**کنترول فیزیکیوشیمیائی مواد داروئی- عملی**  
داروسازی  
**شیمی داروئی 1**  
داروسازی  
**سنتز مواد داروئی پیشرفته**  
دستیاری شیمی داروئی  
**شیمی داروئی پیشرفته 1 دستیاری**  
دستیاری شیمی داروئی  
**شیمی داروئی پیشرفته 2 دستیاری**  
دستیاری شیمی داروئی  
**شیمی هتروسیکل**  
دستیاری شیمی داروئی  
**سنتز مواد داروئی عملی**  
دستیاری شیمی داروئی  
**شیمی داروئی**  
کارشناسی ارشد شیمی دارویی  
**شیمی هتروسیکل**  
کارشناسی ارشد شیمی دارویی  
**روشهای دستگاهی پیشرفته نظری**  
دستیاری شیمی داروئی  
**روشهای دستگاهی پیشرفته عملی**  
دستیاری شیمی داروئی

### PUBLICATIONS

#### A) CONFERENCES

**Cytotoxic Effects of Different Extracts and Latex of Ficus carica L. on Hela Cell**

**Line.**

*Conference:* 6th INTERNATIONAL TRADITIONAL / COMPLEMENTARY MEDICINE CONFERENCE (INTRACOM) AND 3RD INTERNATIONAL CONGRESS ON TRADITIONAL MEDICINE AND MATERIA MEDICA. 2007; (Poster)

*Authors:* Khodarahmi GA, Ghasemi N, Hassanzadeh F and Safaie M.

**Cytotoxicity Evaluation of Fruit Rinds of Four Species of Iranian Citrus on HeLa Cell Line.**

*Conference:* 18th Iranian Congress of Physiology & Pharmacology. 2007; (Poster)

*Authors:* Khodarahmi GA, Ghannadi, AR, Hassanzadeh F and Bidokh, M.

**Design, Synthesis and Cytotoxicity Evaluation of Some 4-Sulfonamide Substituted Benzamido-benzimidazolones.**

*Conference:* 10th Asian Pacific Congress of Clinical Biochemistry. 2004; (Poster)

*Authors:* Khodarahmi, G A; Chen, P Y; Chen, C S and Chern, J W

**Synthesis and Cytotoxicity Evaluation of Some 3-Sulfonamide Substituted Benzamido-benzimidazolones.**

*Conference:* 9th Iranian Seminar of Pharmaceutical Sciences, 23-26 August 2004, Tabriz, Iran. Poster 137. 2004; (Poster)

*Authors:* Khodarahmi, G A; Chen, P Y and Chern, J W

**Effect of Alyssum Minimum glucosinolate hydrolysis products on serum levels of T3 and T4 in Rat.**

*Conference:* 5th Scientific Congress Federation of Asian & Oceanian Physiological Societies (FAOPS), 23-26 Sept 2002, Kuala Lumpur, Malaysia, PPPIII.135.. 2002; (Poster)

*Authors:* Afsharypuor, S; Haery, A and Khodarahmi, G.A

**Synthesis and lipophilicity study of some aluminum complexes**

*Conference:* 8th Iranian Seminar of Pharmaceutical Sciences, 27-29 Aug (2002), 33. 2002; (Speech)

*Authors:* Khodarahmi, G A; Saghaei, L and Karimiyan, A

**Design and synthesis of some benzofuran derivatives as potential irreversible aromatase inhibitor.**

*Conference:* 1st Seminar of Methodology in Pharmaceutical Sciences, 25-27 Aug 2001, Mashad, Iran, Oral Presentation P:20.. 2001; (Speech)

*Authors:* Khodarahmi G A.

**Design and synthesis of some new pyrrolidine derivatives as potential anti convulsant.**

*Conference:* The 7th Seminar of Iranian Pharmacy Students, 7-9 March (2001), Isfahan, Iran, Oral Presentation P:237.. 2001; (Speech)

*Authors:* Hajyan M, Hassanzadeh F and Khodarahmi G A.

**Docking of some inhibitors into an active site model of human aromatase**

*Conference:* Scientia Pharmaceutica suppl 1 Band 69, S288-S289, 23-25 sept 2001

Vienna Austria (4th central European symposium on pharmaceutical technology).  
2001; (Poster)

*Authors:* Khodarahmi G A, Smith H J and Laughon, CH

**Synthesis of some phenyl succinimide derivatives.**

*Conference:* The 7th Seminar of Iranian Pharmacy Students, 7-9 March (2001),  
Isfahan, Iran, Oral Presentation P:232.. 2001; (Speech)

*Authors:* Mensouri T, Khodarahmi G A and Hassanzadeh F.

**Synthesis of some 1-(benzofuran2-yl)-1H-imidazol-1-yl alkans.**

*Conference:* 7th Iranian Seminar of Pharmaceutical Sciences, 27-29 Aug (2000),  
Mashad, Iran. Poster 168. 2000; (Poster)

*Authors:* Khodarahmi G A.

**[Unspecified Title]**

*Conference:* 6th Iranian Seminar of Pharmaceutical Sciences, 27-29 Aug (1999),  
Isfahan, Iran. Oral presentation. 1999; (Speech)

*Authors:* Khodarahmi, G A.

**Stereoselective aspects of some 1-[bezofuran-2-yl]phenylmethyl] imidazoles as potent aromatase inhibitors**

*Conference:* 8th RSC - SCI Medicinal Chemistry Symposium, Cambridge 10-13 Sept  
(1995) P: 35.. 1995; (Poster)

*Authors:* Khodarahmi G A, Barrell K, Ahmadi M, Smith H J, Nicholls P, Lombardi P  
and Pestellini V

**Stereoselective aspects of some 1-[bezofuran-2-yl]phenylmethyl] imidazoles as potent aromatase inhibitors,**

*Conference:* IV Conferences Europeennes du Grouperment des Pharmacochimistes de  
l'Arc Atlantique Angers, France, poster-29. 1995; (Poster)

*Authors:* Khodarahmi G A, Barrell K, Ahmadi M, Smith H J, Nicholls P, Lombardi P  
and Pestellini V

**B) JOURNAL PAPERS**

**58- Monastrol derivatives: in silico and in vitro cytotoxicity assessments**

*Journal:* Research in Pharmaceutical Sciences, June 2020; 15(3): 249-262

*Authors:* Z Bidram, H Sirous, G. A Khodarahmi, F Hassanzadeh, N Dana, A.A Hariri,  
and M Rostami,\*

**57- Lactoperoxidase inhibition by tautomeric propylthiouracils**

*Journal:* Asian Journal of Green Chemistry, 2020, 4 (1), 1-10

*Authors:* M Soleimani, M Mirzaei\*, MR Mofid, G Khodarahmi, SF Rahimpour

**56- Synthesis and cytotoxic evaluation of novel quinozalinone derivatives with substituted benzimidazole in position 3**

*Journal:* Research in Pharmaceutical Sciences, 2019; 14(3) 247-254

Authors: E Taherian, **G.A. Khodarahmi\***, M. Rahmani Khajouei, F Hassanzadeh and N Dana

**55- Synthesis and cytotoxic evaluation of novel quinazolinone derivatives as potential anticancer agents**

*Journal:* Research in Pharmaceutical Sciences, October 2018; 13(5): 450-459

*Authors:* S Poorirani, S Sadeghian-Rizi, **G A Khodarahmi**, M Rahmani Khajouei, and Farshid Hassanzadeh\*

**54- Novel NGR anchored pullulan micelles for controlled and targeted delivery of doxorubicin to HeLa cancerous cells**

*Journal:* **Iranian Polymer Journal 2018, 27 (4), 263-274**

*Authors:* F Hassanzadeh, E Mahmoudi, J Varshosaz, **G A Khodarahmi**, M Rostami, M Ghanadian and N Dana

**53- Hybrid Pharmacophore Design, Molecular Docking, Synthesis, and Biological Evaluation of Novel Aldimine-Type Schiff Base Derivatives as Tubulin Polymerization Inhibitor**

*Journal:* **Chemistry and Biodiversity 2018, 15, 3,**

*Authors:* A Ameri, **G A Khodarahmi\***, H Forootanfar, F Hassanzadeh and G H Hakimelahi.

**52- Folic acid Targeted Polymeric Micelles based on Tocopherol succinate-Pullulan as an Effective Carrier for Epirubicin: Preparation, Characterization and In-Vitro Cytotoxicity assessment**

*Journal:* **Current drug delivery 2018 15, 2 235-246**

*Authors:* F Hassanzadeh, M Mehdifar, J Varshosaz, **GA Khodarahmi**, M Rostami

**51- Synthesis and cytotoxic evaluation of some novel quinoxalinedione diarylamide sorafenib analogues**

*Journal:* Research in Pharmaceutical Sciences, April 2018; 13(2): 168-176

*Authors:* M Khandan, S Sadeghian Rizi, **G A Khodarahmi**, and F Hassanzadeh\*

**50- Synthesis and characterization of some novel diaryl urea derivatives bearing quinoxalindione moiety.**

*Journal:* Research in Pharmaceutical Sciences, Feb 2018, 13(1), 82-92

*Authors:* S Sadeghian-Rizi, **G A Khodarahmi**, A Sakhteman, A Jahanian-Najafabadi, M Rostami, M Mirzaei and F Hassanzadeh

**49- DFT Studies of Graphene-Functionalized Derivatives of Capecitabine**

*Journal:* Zeitschrift für Naturforschung a, Sep 2017

*Authors:* M Aramideh, M Mirzaei, **G A Khodarahmi** and O Gülseren

**48- Biological evaluation, docking and molecular dynamic simulation of some novel diaryl urea derivatives bearing quinoxalinone moiety.**

*Journal:* Research in Pharmaceutical Sciences, 2017, 12(6), 500-509

*Authors:* S Sadeghian-Rizi, G A Khodarahmi, A Sakhteman, A Jahanian-Najafabadi, M Mirzaei and F Hassanzadeh

**47- Synthesis, characterization, cytotoxic screening, and density functional theory studies of new derivatives of quinazolin-4(3H)-one Schiff bases**

*Journal:* Research in Pharmaceutical Sciences, 2017, 12(6), 444-455.

*Authors:* R Rezaee Nasab, F Hassanzadeh, G A Khodarahmi, M Mirzaei, M Rostami and A Jahanian-Najaf abadi

**46- Docking study, synthesis and antimicrobial evaluation of some novel 4-anilinoquinazoline derivatives**

*Journal:* Research in Pharmaceutical Sciences, October 2017; 12(5): 425-433

*Authors:* R Rezaee Nasab, F Hassanzadeh\*, G A Khodarahmi, M Rostami, M Mirzaei, A Jahanian-Najafabadi and M Mansourian

**45- Synthesis, characterization, molecular docking studies and biological evaluation of some novel hybrids based on quinazolinone, benzofuran and imidazolium moieties as potential cytotoxic and antimicrobial agents**

*Journal:* Iranian Journal of Basic Medical Sciences, Vol. 20, No. 9, Sep 2017 975-989

*Authors:* P Asadi, G.A Khodarahmi\* A Jahanian-Najafabadi, L Saghaie and F Hassanzadeh

**44- Biologically Active Heterocyclic Hybrids Based on Quinazolinone, Benzofuran and Imidazolium Moieties: Synthesis, Characterization, Cytotoxic and Antibacterial Evaluation**

*Journal:* Chemistry and Biodiversity 2017, Volume 14, Issue 4, 1-14

April 2017 e1600411 DOI: 10.1002/cbdv.201600411.

*Authors:* P Asadi, G A Khodarahmi\*, A Jahanian-Najafabadi, L Saghaei and F Hassanzadeh

**43- Quantum mechanical / molecular mechanical and docking study of the novel analogues based on hybridization of common pharmacophores as potential anti-breast cancer agents**

*Journal:* Research in Pharmaceutical Sciences, 2017, 12(3), 233-240

*Authors:* P Asadi, G A Khodarahmi\*, H Farrokhpour, F Hassanzadeh and L Saghaei

**42- Relaxations of methylpyridinone tautomers at the C60 surfaces: DFT studies**

*Journal:* International Journal of Nano Dimension 2017, 8 (2), 124-131

*Authors:* E Naderi, M Mirzaei, L Saghaie, G Khodarahmi, O Gulseren

**41- Poly (ethylene-co-vinyl alcohol)-based polymeric thermo-responsive nanocarriers for controlled delivery of epirubicin to hepatocellular carcinoma**

*Journal:* Research in Pharmaceutical Sciences, April 2017; 12(2): 107-118.

F Hassanzadeh, M Farzan, J Varshosaz, G A Khodarahmi, S Maaleki and M Rostami

**40- Biotin - Encoded Pullulan-Retinoic Acid Engineered Nano Micelles: Preparation, optimization and In-Vitro Cytotoxicity Assessment in MCF-7 cells.**

*Journal:* Indian Journal of Pharmaceutical Sciences 2016 78 (5), 557-569

*Authors:* F Hassanzadeh, J Varshosaz, GA Khodarahmi, M Rostami and F Hassanzadeh

**39- Thermosensitive folic acid-targeted poly (ethylene-co-vinyl alcohol) hemisuccinate polymeric nanoparticles for delivery of epirubicin to breast cancer cells**

*Journal:* Iran Polym J 2016, 25, 967-976

*Authors:* F. Hassanzadeh, S. Maaleki, J. Varshosaz, G A. Khodarahmi, M. Farzan and M. Rostami

**38- Novel Aldimine-type Schiff Bases of 4 - Amino - 5 - [(3,4,5 trimethoxy phenyl)methyl] - 4,5 - dihydro - 1H - 1,2,4 - triazole - 3 - thiol: Docking Study, Synthesis, Biological Evaluation, and Anti-tubulin Activity".**

*Journal:* Arch. Pharm. Chem. Life Sci. 2016, 349, 662–681

*Authors:* A Ameri, G A. Khodarahmi\*, F Hassanzadeh, H Forootanfar and GH Hakimelahi

**37- Quinazolinone and Quinazoline Derivatives: Recent Structures with Potent Antimicrobial and Cytotoxic Activities (Review Article)**

*Journal:* Research in Pharmaceutical Sciences, 2016; 11(1)1-14

*Authors:* E. Jafari, M. Rahmani Khajouei, F. Hassanzadeh, G.H. Hakimelahi and GA. Khodarahmi\*

**36- Benzofuran as a promising scaffold for the synthesis of antimicrobial and antibreast cancer agents: A review (Review Article)**

*Journal:* Journal of Research in Medical Sciences, 2015; 20(11): 1094-1104

*Authors:* G.A Khodarahmi \*, P.Asadi, F Hassanzadeh and E Khodarahmi

**35- Synthesis of some new porphyrins and their metalloderivatives as potential sensitizers in photo-dynamic therapy**

*Journal:* Research in Pharmaceutical Sciences, 2015; 10(6): 504-513

*Authors:* M. Rostami, L. Rafiee, F. Hassanzadeh\*, A.R Dadrass, and G.A Khodarahmi

**34- Design of novel potential aromatase inhibitors via hybrid pharmacophore approach: docking improvement using the QM/MM method**

*Journal:* RSC Advances 2015, 5, 58055-58064

*Authors:* G.A Khodarahmi\*, P. Asadi, H. Farrokhpour, F. Hassanzadeh and M Dinari

**33- Cytotoxic evaluation of volatile oil from *Descurainia sophia* seeds on MCF-7 and HeLa cell lines**

*Journal:* Research in Pharmaceutical Sciences, 2015;10(2): 169-176

*Authors:* E. Khodarahmi, GH. Asghari, F. Hassanzadeh, M. Mirian and G.A. Khodarahmi \*

**32- Formulation and evaluation of triamcinolone acetonide mucoadhesive film as treatment of aphthous stomatitis and oral inflammatory diseases (in Persian)**

*Journal:* Journal of Isfahan Medical School, 2013; 30, (220): 1-13

*Authors:* R. Bahri-Najafi, G.A. Khodarahmi, E. Yazdani and M. Peikanpour

**31- Synthesis of some new quinazolinone derivatives and evaluations of their antimicrobial activities**

*Journal:* Iranian Journal of Pharmaceutical Research, 2012;11(3): 789-797

*Authors:* G.A. Khodarahmi, E. Jafari, G.H. Hakimelahi D. Abedi, M. Rahmani Khajouei and F. Hassanzadeh

**30- Antibacterial, antifungal and cytotoxic evaluation of some new 2,3-disubstituted 4(3H)-quinazolinone derivatives**

*Journal:* Research in Pharmaceutical Sciences, 2012;7(3): 151-158

*Authors:* G.A. Khodarahmi, M. Rahmani Khajouei, G.H. Hakimelahi, D. Abedi, E. Jafari and F. Hassanzadeh

**29- Synthesis of some new 2,3-disubstituted-4(3H)quinazolinone derivatives**

*Journal:* Research in Pharmaceutical Sciences, 2012;7 (1): 23-30

*Authors:* F. Hassanzadeh, M. Rahmani Khajouei, G.H. Hakimelahi E. Jafari and G.A. Khodarahmi

**28- Genotoxic effects of some 1-[(benzofuran-2-yl)-phenylmethyl]-imidazoles on MCF-7 cell line**

*Journal:* Research in Pharmaceutical Sciences, 2012;7(3): 189-195

*Authors:* M. Etebari, G.A. Khodarahmi, A. Jafarian-Dehkordi and Z. Nokhodian

**27- Antibacterial, antifungal and cytotoxic evaluation of some new quinazolinone derivatives**

*Journal:* Research in Pharmaceutical Sciences, 2012;7(2):87-94

*Authors:* F. Hassanzadeh, E. Jafari, G.H. Hakimelahi, M. Rahmani Khajouei, M. Jalali and G.A. Khodarahmi

**26- Synthesis and cytotoxic evaluation of some new 4(3H)-quinazolinones on HeLa cell line**

*Journal:* Research in Pharmaceutical Sciences. 2012;7(2):119-125

*Authors:* G.A. Khodarahmi, M. Shamschiri and F. Hassanzadeh

**25- Synthesis and Evaluation of the Anxiolytic Activity of some Phthalimide Derivatives in Mice Model of Anxiety**

*Journal:* Iranian Journal of Pharmaceutical Research. 2012; 11(1):109-115

*Authors:* F. Hassanzadeh, M. Rabbani, G.A Khodarahmi, and M. Moosavi

**24- Synthesis of some new tricyclic 4(3H)-quinazolinone derivatives**

*Journal:* Research in Pharmaceutical Sciences. 2011;6(2):93-100

*Authors:* E. Jafari, G.A. Khodarahmi, G.H. Hakimelahi F.Y. Tsai and F. Hassanzadeh

**23- DNA Repair capability of MCF-7 after exposure to substituted benzofuran derivatives with aromatase inhibitory effects (in Persian)**

*Journal:* Journal of Isfahan Medical School. 2011;29(151):1183-1193

*Authors:* Mahmoud Etebari, Ghadam Ali Khodarahmi, Abbas Jafarian Dehkordi,

Zari Nokhodian

**22- Cytotoxic Effects of Different Extracts and Latex of Ficus carica L. on HeLa cell Line**

*Journal:* Iranian Journal of Pharmaceutical Research (2011), 10 (2): 273-277.

*Authors:* Ghadam Ali Khodarahmi, Nasrollah Ghasemi, Farshid Hassanzadeh and Marzieh Safaie

**21- Synthesis of phthalimide derivatives and evaluation of their anxiolytic activity**

*Journal:* Research in Pharmaceutical sciences. 2007;2:35-41

*Authors:* Hassanzadeh, F Rabbani, M Khodarahmi, GA Fasihi, A Hakimelahi, GH and Mohajeri, M

**20- Cytotoxic effects of some 1-[(benzofuran-2-yl)-phenylmethyl]-imidazoles on MCF-7 and Hela cell lines**

*Journal:* Research in pharmaceutical sciences. 2007;1(2):73-79

*Authors:* G.A. Khodarahmi; F. Hassanzadeh; A. Jafarian; A.H. Chiniforoosh and A.M. Hajseyedabutorabi

**19- Design, synthesis and antibacterial activity of novel carbacephems**

*Journal:* Letters in drug design and discovery. 2006;3:91-97

*Authors:* Ali A. Moosavi-Movahedi, Chi-Feng Yen, Jamshid Chamani, Ghadam Ali Khodarahmi, Ali A. Saboury, and Gholam Hossein Hakimelahi

**18- The Identification of Toxicophores for the Prediction of Mutagenicity, Hepatotoxicity and Cardiotoxicity**

*Journal:* Journal of the Iranian Chemical Society, 2005;2(4):244-267

*Authors:* G.H. Hakimelahi and G.A. Khodarahmi

**17- Design, Synthesis, and Cytotoxicity of 4-Sulfonamide Substituted Benzamidobenzimidazolones and an Acyl Benzimidazolone**

*Journal:* Journal of the Iranian Chemical Society. 2005;2(2):124-134

*Authors:* G.A. Khodarahmi; C.S. Chen; G.H. Hakimelahi; C.T. Tseng and J.W. Chern

**16- Carbapenem-based prodrugs. Design, synthesis, and biological evaluation of carbapenems**

*Journal:* European Journal of Medicinal Chemistry. 2005;40:339-349

*Authors:* Gholam Hossein Hakimelahi, Ali Akbar Moosavi-Movahedi; Ali Akbar Saboury; Valeriy Osetrov; Ghadam Ali Khodarahmi and Kak-Shan Shia

**15- Design, synthesis and biological evaluation of novel carbapenems**

*Journal:* International journal of scientific researches. 2005;14:59-70

*Authors:* G.H. Hakimelahi; A.A. Moosavi-Movahedi, A.A. Saboury, V. Osetrov, G.A. Khodarahmi and K.-S. Shia

**14- Synthesis and Primary Cytotoxic Screening of Some 3- Sulfonamide Substituted Benzamido-benzimidazolones**

*Journal:* Iranian Journal of Pharmaceutical Research (2005) 1: 43-56. 2005;4(1):43-

56

*Authors:* Ghadam Ali Khodarahmi, Pei-Yu Chen; Gholam-Hosein Hakimelahi and Ji-Wang Chern

**13- Application of the Barton photochemical reaction in the synthesis of 1-dethia-3-aza-1-carba-2-oxacephem: a novel agent against resistant pathogenic microorganisms**

*Journal:* Organic biomolecular chemistry. 2003;1:2461-2467

*Authors:* Gholam Hossein Hakimelahi; Pai-Chi Li; Ali A. Moosavi-Movahedi; Jamshid Chamani; Ghadam Ali Khodarahmi; Tai Wei Ly; Famil Valiyev; Max K. Leong and Shahram Hakimelahi, Kak-Shan Shia and Ito Chao

**12- Design, synthesis, and anticancer activity of phosphonic acid diphosphate derivative of adenine-containing butenolide and its water-soluble derivatives of paclitaxel with high antitumor activity**

*Journal:* Bioorganic & Medicinal Chemistry, (2003), 11, 4303-4313. 2003;(11):4303-4313

*Authors:* Moosavi-Movahedi A A, Hakimelahi Sh, Chamani J, Khodarahmi G A, Hassanzadeh F, Luo F T, Ly T W, Shia K Sh, Yen Ch F, Jain M L, Kulatheeswaran R, Xue C, Pashar M and Hakimelahi G H

**11- pH changes and calcium ion diffusion from calcium hydroxide intracanal medication through root dentin.**

*Journal:* Beheshti University Dental Journal (Persian). 2003;3(21):374-382

*Authors:* Farhad A R, Khodarahmi Gh and Barakatein B

**10- Synthesis of 1-dethia-3-aza-1 carba-2-oxacephem: a novel agent against resistant pathogenic microorganisms**

*Journal:* Org. Biomol. Chem. (2003), 1, 2461-67. 2003;(1):2461-2467

*Authors:* Hakimelahi G H, Li P Ch, Moosavi-Movahedi A A, Chamani J, Khodarahmi G A, Ly T W, Valiyev F, K. Leong M, Hakimelahi Sh, Shia K Sh and Chao I.

**9- Enantioselectivity of some 1-[(benzofuran-2-yl) phenylmethyl] imidazoles as aromatase (P450AROM) inhibitors.**

*Journal:* J Enzyme Inhib 2001 Nov;16(5):401-16. 2001;5(16):401-415

*Authors:* Khodarahmi G A, Loughton C A, Smith H J, Nicholls P J.

**8- Synthesis and calcium channel blocking activity of nifedipine analogues containing 4 (5)-chloro-2-methyl-5 (4)-imidazolyl substituent.**

*Journal:* Boll. Chim. Farm (2001) 140(6) 381-386. 2001;6(140):381-386

*Authors:* Davood A, Khodarahmi, G A, Alipour E, Dehpour K Amini M and Shafiee A

**7- Enantioselectivity of some 1-[(benzofuran-2-yl) phenylmethyl] imidazoles as aromatase (P450AROM) inhibitors**

*Journal:* J. Pharm. Pharmacol. (2000) 52, 121. 2000;(50):121-121

*Authors:* Khodarahmi GA, Smith HJ, Nicholls PJ Ahmadi M.

**6- Enantioselectivity of some 1-(benzofuran-2-yl)-1-(1-H-imidazol-1-yl) alkanes as**

**inhibitors of P450Arom,**

*Journal:* J Pharm Pharmacol 50 suppl (1998) 207 ISSN 0022-3573. 1998;(50):207-207

*Authors:* Khodarahmi G A, Smith H J, Nicholls P J and Ahmadi M

**5- Enantioselectivity of some 1-(benzofuran-2-yl)-1-(1-H-imidazol-1-yl) alkanes as inhibitors of P450Arom,**

*Journal:* J Pharm Pharmacol 50 (1998) 1321-1330 ISSN 0022-3573. 1998;(50):1321-1330

*Authors:* Khodarahmi G A, Smith H J, Nicholls P J and Ahmadi M

**4- Some 2-(1-phenyl-1-(prop-2'-ynoxy)methyl) benzofurans as irreversible inhibitors of aromatase (P450Arom)**

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**THESES SUPERVISION**

- 50 2017-2018 **Synthesis and cytotoxic evaluation of some new 3-(2-Phenyl-1H-benzimidazol-5-yl)-3H-quinazolin-4-one derivatives**  
Khodarahmi G A and Hassanzadeh F  
(me as Supervisor)  
*Place:* Faculty of pharmacy  
Student: Elham Taherian
- 49 2017-2018 **High-scale Chemical Synthesis of Dorzolamide Hydrochloride as a Carbonic Anhydrase Inhibitor**  
Rostami M, Hassanzadeh F, and Khodarahmi G A  
(me as Supervisor)  
*Place:* Faculty of pharmacy  
Student: Fatemeh Karimi Andani
- 48 2016-2017 **Synthesis and cytotoxic evaluation of some novel Sorafenib Derivatives**  
Hassanzadeh F, and Khodarahmi G A  
(me as Supervisor)  
*Place:* Faculty of pharmacy  
Student: Mojtaba Khandan (MSc student)
- 47 2016-2017 **Synthesis and cytotoxic evaluation of novel quinazolinone derivatives with substituted quinoxalindione in position 3**  
Hassanzadeh F, and Khodarahmi G A  
(me as Supervisor)  
*Place:* Faculty of pharmacy  
Student: Safura pourirani (MSc student)
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Mirzaei M, Gulseren O and Khodarahmi G A  
(me as Advisor)  
*Place:* Faculty of pharmacy  
Student: Mehdi Aramideh (MSc student)
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Rostami M, Hassanzadeh F, Khodarahmi G A and Varshosaz  
(me as Supervisor)  
*Place:* Faculty of pharmacy  
Student: Elahe Mahmoodi (MSc student)

- 44 2015-2016 **Quantitative structure property relationship (QSPR) modeling of some iron chelating hydroxypyridinone derivatives optimized at at the 60 fullerene nanostructure**  
Mirzaei M, Saghaei L and **Khodarahmi** G A  
(me as Advisor)  
*Place:* Faculty of pharmacy  
Student: Elahe Naderi
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Hassanzadeh F, Varshosaz, G and **Khodarahmi** G A  
(me as Supervisor)  
*Place:* Faculty of pharmacy  
Student: Mojdeh Mehdifar
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Hassanzadeh F, Varshosaz, G and **Khodarahmi** G A  
(me as Supervisor)  
*Place:* Faculty of pharmacy  
Student: Fatemeh Hassanzadeh
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Hassanzadeh F, **Khodarahmi** G A and Fazeli, H  
(me as Supervisor)  
*Place:* Faculty of pharmacy  
Student: Sedigheh Sadeghian (**Ph.D Student**)
- 40 2014-2017 **Design, synthesis and biological evaluation of some novel 4-anilinoquinazoline derivatives**  
Hassanzadeh F, **Khodarahmi** G A and Mirzaei, M  
(me as Supervisor)  
*Place:* Faculty of pharmacy  
Student: Rezvan Rezaeinasab (**Ph.D Student**)
- 39 2014-2017 **Design, synthesis and biological evaluation of some new quinazolinon- imidazolium hybrids as potential cytotoxic and antimicrobial agents**  
**Khodarahmi** G A, Hassanzadeh F and Saghaei L  
(me as Supervisor)  
*Place:* Faculty of pharmacy  
Student: Parvin Asadi (**Ph.D Student**)
- 38 2013-2015 **Design and synthesis of poly (ethylene-co-vinyl alcohol)- folic acid targeted nano-systems based on the poly (ethylene-co-vinyl alcohol) as slow-biodegradable thermo sensitive polymer and evaluation of methotrexate release profile as a function of**

- temperature and evaluation the cytotoxicity of designed systems**  
*Supervisors:* Hassanzadeh F, Varshosaz, G and **Khodarahmi** G A  
 (me as Supervisor)  
*Place:* Faculty of pharmacy  
 Student: Sahar Maleki
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*Supervisors:* Hassanzadeh F, Varshosaz, G and **Khodarahmi** G A  
 (me as Supervisor)  
*Place:* Faculty of pharmacy  
 Student: Maryam Farzan
- 36 2012-2013 **Cytotoxicity evaluation of essential oil and volatile fractions from the seeds of *Descurainia sophia* on HeLa and MCF-7 cell lines**  
*Supervisors:* **Khodarahmi** G A, Asghari GH and Hassanzadeh F  
 (me as Supervisor)  
*Place:* Faculty of pharmacy  
 Student: Elham Khodarahmi
- 35 2012-2016 **Design, synthesis and evaluation of some biological activities of novel 3-chloro-1, 4-diarylazetid-2-one derivatives**  
*Supervisors:* Ghadamali **Khodarahmi**, Farshid Hassanzadeh, Gholamhossein Hakimelahi and Hamid Forutanfar (me as Supervisor)  
*Place:* Faculty of Pharmacy  
 Student: Alieh Ameri (**Ph.D Student**)
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*Supervisors:* Bahri Njafi R and **Khodarahmi** G A  
 (me as Supervisor)  
*Place:* Faculty of pharmacy  
 Student: Elnaz Yazdanian
- 33 2010-2011 **Genotoxic effects of some 1-[(benzofuran-2-yl)-phenylmethyl]-imidazoles on MCF-7 cell line**  
*Supervisors:* Etebari M, Jafariyn Dehkordi . A and **Khodarahmi** GA, (me as Supervisor)  
*Place:* Faculty of Pharmacy  
 Student: Zari Nokhodian (**MSc student** of toxicology)
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*Supervisors:* Hassanzadeh F and **Khodarahmi** G A  
 (me as Supervisor)  
*Place:* Faculty of pharmacy  
 Student: Mohamad Shamshiri

- 31 2010- 2012 **Synthesis and biological evaluation of novel linear derivatives of 4-(3H) quinazolinones**  
*Supervisors:* Ghadamali Khodarahmi و Farshid Hassanzadeh و Gholamhossein Hakimelahi and Daryoush Abedi  
 (me as Supervisor)  
*Place:* Faculty of Pharmacy  
 Student: Marzieh Rahmani (Ph.D Student)
- 30 2010- 2011 **Synthesis and biological evaluation of novel 4-(3-H)-quinazolinone derivatives**  
*Supervisors:* Farshid Hassanzadeh, Ghadamali Khodarahmi, Gholamhossein Hakimelahi, Daryoush Abedi  
 (me as Supervisor)  
*Place:* Faculty of Pharmacy  
 Student: Elham Jafari (Ph.D Student)
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*Supervisors:* Hassanzadeh, F; Khodarahmi, GA and Rabbani, M  
 (me as Supervisor)  
*Place:* Faculty of pharmacy  
 Student: Mehri Ghasemi
- 28 2009- 2010 **Cytotoxicity Evaluation of Some 1, 2, 3, 4 Tetrahydropyrimidine Derivatives on Hela and HT-29 Cell Lines**  
*Supervisors:* Khodarahmi GA, Fasihi A  
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*Place:* Faculty of Pharmacy  
 Student: Azam Aghajani
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*Supervisors:* Khodarahmi GA, Fasihi A, Hassanzadeh F, Etebari M., (me as Supervisor)  
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 Student: Mehdi Khorrami
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*Place:* Faculty of pharmacy  
 Student: Alireza Fazeli
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*Place:* Faculty of Pharmacy and School of Medicine  
 Student: Mehdi Narimusaei
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*Place:* Faculty of Pharmacy  
 Student: Zeinab Yazdina
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 Student: Mehdi Kabiri
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 Student: Fathollah Yazdanifar
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 Student: Majid Mansuri
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 Student: Marzieh Safaei
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 Student: Fatemeh Jafari
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*Place:* Faculty of pharmacy  
 Student: Mehrnoosh Moosavi
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*Supervisors:* Hassanzadeh, F; Rabbani, M and **Khodarahmi**, GA (me as Supervisor)  
*Place:* Faculty of pharmacy

- 16 2005- 2006 Student: Hamidreza Zargar  
**Cytotoxicity evaluation of some aromatase inhibitors on Hela cell line**  
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*Place:* Faculty of pharmacy
- 15 2005- 2006 Student: Mohamadali Hajseyadabutorabi  
**Synthesis of some 3-pyridil derivatives with two aromatic substitutes as potential aromatase inhibitors for the treatment of breast cancer**  
*Supervisors:* Khodarahmi, G A and Hassanzadeh, F (me as Supervisor)  
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**Cytotoxicity evaluation of fruit rinds of four species of Iranian Citrus on Hela cell line**  
*Supervisors:* Khodarahmi, GA; Ghannadi AR and Hassanzadeh, F (me as Supervisor)  
*Place:* Faculty of pharmacy
- 13 2004- 2006 Student: Meysam Bidokh  
**Synthesis of derivatives of phthalimides as anxiolytic agents**  
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- 12 2004- 2005 Student:  
**Synthesis of some amide and sulfonamide derivatives of hydroxypyridinone as potential iron (III) chelator**  
*Supervisors:* Saghaei, L and Khodarahmi, G A (me as Supervisor)  
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- 11 2004- 2005 Student: Soghra Haddadifar  
**Cytotoxicity evaluation of benzofuran (phenylmethyl) imidazol derivatives on MCF-7 cell line**  
*Supervisors:* Khodarahmi, G A; Jafarian, A and Hassanzadeh, F (me as Supervisor)  
*Place:* Faculty of pharmacy
- 10 2003- 2004 Student: Amirhosein Chubchiniforoush  
**Study on the zinc absorption from 2-alkyl-3-hydroxy pyranone-zinc complexes in rat**  
*Supervisors:* Mostafavi, A; Saghaei, L; Khodarahmi, G A and Badii, A (me as Supervisor)  
*Place:* Faculty of pharmacy
- 9 2003- 2004 Student: Soheyla Valadian  
**Study on the synthesis of some cyclic-nitrogen containing derivatives as potential anti anxiety**  
*Supervisors:* Hassanzadeh, F; Rabbani, M; Khodarahmi, G A and Sadeghi, H (me as Supervisor)  
*Place:* Faculty of pharmacy
- 8 2000- 2002 Student: Esmaeil Alsheblagh  
**Synthesis of some novel dihydropyridines as potential calcium**

- channel blockers**  
*Supervisors:* Shafiee, A; Alipour, S and **Khodarahmi**, G A (me as Supervisor)  
*Place:* Faculties of pharmacy Isfahan and Tehran  
*Student:* Asghar Davood (**Ph.D Student**)
- 7    **1997- 2002**    **Synthesis of some pyrrolidine derivatives as potential anticonvulsant**  
*Supervisors:* Hassanzadeh, F and **Khodarahmi**, G A (me as Supervisor)  
*Place:* Faculty of pharmacy  
*Student:*
- 6    2000- 2001    **pH changes and calcium ion diffusion from calcium hydroxide intracanal medication through root dentin.**  
*Supervisors:* Farhad, A R and **Khodarahmi**, G A (me as Supervisor)  
*Place:* Faculties of pharmacy and Dentistry  
*Student:* Behnaz Barekatein
- 5    1999- 2001    **Bioequivalence studies on imipramine 10 mg tablets**  
*Supervisors:* Imami, J and **Khodarahmi**, G A (me as Supervisor)  
*Place:* Faculty of pharmacy  
*Student:* Sharzad Akhavan
- 4    1999- 2001    **Bioequivalence studies on imipramine 25 mg tablets**  
*Supervisors:* Imami, J and **Khodarahmi**, G A (me as Supervisor)  
*Place:* Faculty of pharmacy  
*Student:* Somaye Saberzadeh
- 3    1999- 2001    **Study of complexability of some bidentate ligands with aluminium and determination of their kpart**  
*Supervisors:* Saghaei, L and **Khodarahmi**, G A (me as Supervisor)  
*Place:* Faculty of pharmacy  
*Student:* Abdollah Karimian
- 2    1999- 2000    **Synthesis of some phenyl succinimide derivatives**  
*Supervisors:* **Khodarahmi**, G A and Hassanzadeh, F (me as Supervisor)  
*Place:* Faculty of pharmacy  
*Student:* Tahmineh Mansoori
- 1    1998- 1999    **Study on the synthesis of some chloroethyl derivatives as potential alkylating agents**  
*Supervisors:* Saeidi, J and **Khodarahmi**, G A (me as Supervisor)  
*Place:* Faculty of pharmacy  
*Student:* MohammadBagher Asgari

#### THEORIES, DISCOVERIES AND INVENTIONS

#### FOUNDINGS AND PLANNINGS

**HONORS, PRIZES AND AWARDS**

**LANGUAGE ABILITIES**

**COMPUTER ABILITIES**

**RESEARCH INTERESTS**

**REFERENCES**