

Curriculum Vitae

Personal Information

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Education

2012–2016: Ph.D. in Pharmaceutical Biomaterials, Tehran University of Medical Science (TUMS).

2008-2011: M.Sc. in Biophysics, Institute of Biochemistry & Biophysics (IBB), University of Tehran.

2004-2008: B.Sc. in Cellular-Molecular Biology, Microbiology, Islamic Azad University, Damghan Branch, Department of Biology, Faculty of Science, Damghan.

Publications

Books

- Biological Applications of Nanomaterials, Volume 1, University of Tehran Publication.
- Biological Applications of Nanomaterials, Volume 2, University of Tehran Publication.
- Biological Applications of Nanomaterials, Volume 3, University of Tehran Publication.
- Martin's Physical Pharmacy and Pharmaceutical Sciences, Translation, Volume 1, University of Tehran Publication: (to be published).
- Martin's Physical Pharmacy and Pharmaceutical Sciences, Translation, Volume 2, University of Tehran Publication: (to be published).
- Martin's Physical Pharmacy and Pharmaceutical Sciences, Translation, Volume 3, University of Tehran Publication: (to be published).

Papers

- 1- Synthesis, Crystal Structure, Electrochemical Studies and Artificial Tyrosinase Activity of a New Designed Homobinuclear Copper (II) Complex, **Hossein Derakhshankhah**, Ali Akbar Saboury, Adeleh Divsalar, Hasan Mansouri-Torshizi, (**Biophysical Journal**, **IF, 3.665**). 2011, Volume 100, Issue 3, Page 217a.
- 2- Synthesis, cytotoxicity and spectroscopy studies of a new copper (II) complex: calf thymus DNA and T47D as targets. **H Derakhshankhah**, AA Saboury, R Bazl, HA Tajmir-Riahi, M Falahati, D Ajloo, H Mansoori-Torshizi, A Divsalar, A Hekmat, AA Moosavi-Movahedi. Publication date, 2012/10/1. Journal, Journal of the Iranian Chemical Society (**JICS. IF, 1.742**). 2012, Volume, 9, Issue, 5, Pages, 737-746, Publisher, Springer-Verlag.
- 3- Prediction of tyrosinase inhibition for drug design using the genetic algorithm–multiple linear regressions. Roya Bazl, Mohammad Reza Ganjali, **Hossein Derakhshankhah**, Ali Akbar Saboury, Massoud Amanlou, Parviz Norouzi. Publication date, 2013/11/1. (**Medicinal Chemistry Research. IF, 1.58**) 2013, Volume, 22. Issue, 11. Pages, 5453-5465. Publisher, Springer US.
- 4- Are ABO and Rh blood groups new genetic risk factors for endometriosis? K Daliri, SM Tabei, A Amini, **H Derakhshankhah**. Publication date, 2013/11/1. (**Archives of gynecology and obstetrics. IF, 2.199**). 2013, Volume, 288. Issue, 5. Pages, 961-963. Publisher, Springer Berlin Heidelberg.
- 5- Development of ultrasmall chitosan/succinyl β -cyclodextrin nanoparticles as a sustained protein-delivery system. Shahrouz Taranejoo, Seyedali Monemian, Mehdi Moghri, **Hossein Derakhshankhah**. Publication date, 2014/1/5. (**Journal of Applied Polymer Science. IF, 2.188**). 2014, Volume, 131. Issue, 1.
- 6- Synthesis and characterization of a newly designed di-copper (II)-based complex and study of its artificial enzyme catalytic activity. **H Derakhshankhah**, AA Saboury, A Divsalar, H Mansouri-Torshizi, I Bamery, D Ajloo, AA Moosavi-Movahedi, R Hosseinzadeh, MR Ganjali, H Ilkhani, HR Khavasi. (**JICS. IF, 1.742**). 2014, Volume, 11. Issue, 5. Pages, 1381-1390.
- 7- Classification of stimuli-responsive polymers as anticancer drug delivery systems. Bitag Taghizadeh, Shahrouz Taranejoo, Seyed Ali Monemian, Zoha Salehi Moghaddam, Karim Daliri, **Hossein Derakhshankhah**, Zaynab Derakhshani. (**Drug delivery. IF, 3.09**), 2015, Volume, 22. Issue, 2. Pages, 145-155. Publisher, Informa Healthcare USA, Inc.
- 8- Zeolite Nanoparticles Inhibit $\text{A}\beta$ -Fibrinogen Interaction and Formation of Consequent Abnormal Structural Clot. **Hossein Derakhshankhah**, Mohammad Javad Hajipour, Ebrahim Barzegari, Alireza Lotfabadi, Maryam Ferdousi, Ali Akbar Saboury, Eng-Poh Ng, Mohammad Raoufi, Hussein Awala, Svetlana Mintova, Rassoul Dinarvand, and Morteza Mahmoudi. (**ACS Applied Materials and Interfaces. IF, 8.456**), 2016, Volume 8, Pages 30768-30779.
- 9- Sensing of Alzheimer's disease and multiple sclerosis using nano-bio interfaces. Mohammad Javad Hajipour, Forough Ghassemi, Fatemeh Atyabi, Mohammad Raoufi, Morteza Azhdarzadeh, Hossein Derakhshankhah, Alireza Lotfabadi, Afsaneh

- Aghaie, Ehsan Hashemi, Abbas Tafakhori Vajiheh Aghamollai, Marzie Maserat Mashhadi, Zahra Alekhamis, Morteza Mahmoudi. (**Journal of Alzheimer's disease. IF, 3.92**), 2017, Volume 59, Pages 1187-1202.
- 10- Colon cancer and specific ways to deliver drugs to the large intestine. **Hossein Derakhshankhah**, Zhila Izadi, Loghman Alaei, Alireza Lotfabadi, Ali Akbar Saboury, Rassoul Dinarvand, Adeleh Divsalar, Arefeh Seyedarabi, Ebrahim Barzegari, Mina Evini. (**Anti-Cancer Agent in Medicinal Chemistry. IF, 2.556**), 2017, volume 17, Pages 1317-1327.
 - 11- Biomolecular Corona Dictates A β Fibrillation Process. Lotfabadi A, Hajipour MJ, **Derakhshankhah H**, Peirovi A, Saffar S, Shams E, et al. (**ACS chemical neuroscience. 2018. IF, 4.21**), 2018, Volume 9, Pages 1725-1734.
 - 12- Synthesis of Magnetic Gold Mesoporous Silica Nanoparticles Core Shell for Cellulase Enzyme Immobilization: Improvement of Enzymatic Activity and Thermal Stability. Elaheh Poorakbar, Abbas Shafiee, Ali Akbar Saboury, Behzad Lame Rad, Kamyar Khoshnevisan, Leila Ma'mani, **Hossein Derakhshankhah**, Mohammad Reza Ganjali, Morteza Hosseini. (**Process Biochemistry, IF, 2.883**), 2018, Volume 71, Pages 92-100.
 - 13- Cell penetrating peptides: A concise review with emphasis on biomedical applications, **Hossein Derakhshankhah**, Samira Jafari, (**Biomedicine & Pharmacotherapy, IF: 3.743**), 2018, Volume 108, Pages 1090-1096.
 - 14- Mesoporous silica nanoparticles for therapeutic/diagnostic applications, Samira Jafari, **Hossein Derakhshankhah**, Loghman Alaei, Ali Fattahi, Behrang Shiri Varnamkhasti, Ali Akbar Saboury, (**Biomedicine & Pharmacotherapy, IF: 3.743**), 2019, Volume 109, Pages 1100-1111.
 - 15- Neuroprotective Potential of Curcumin-Loaded Nanostructured Lipid Carrier in an Animal Model of Alzheimer's Disease: Behavioral and Biochemical Evidence, Soroor Sadegh Malvajerd, Zhila Izadi, Amir Azadi, Masoumeh Kurd, **Hossein Derakhshankhah**, Mohammad Sharifzadeh, Hamid Akbari Javar, Mehrdad Hamidi, (**Journal of Alzheimer's disease. IF, 3.92**), 2019, Volume 69, Pages 671-686.
 - 16- Molecular interaction of fibrinogen with zeolite nanoparticles, **Hossein Derakhshankhah**, Atiyeh Hosseini, Fereshteh Taghavi, Samira Jafari, Alireza Lotfabadi, Mohammad Reza Ejtehadi, Sahba Shahbazi, Ali Fattahi, Atiyeh Ghasemi, Ebrahim Barzegari, Mina Evini, Ali Akbar Saboury, Seyed Mehdi Kamali Shahri, Behnaz Ghaemi, Eng-Poh Ng, Hussein Awala, Fatemeh Omrani, Iraj Nabipour, Mohammad Raoufi, Rassoul Dinarvand, Svetlana Mintova, Mohammad Javad Hajipour, Morteza Mahmoudi, (**Scientific reports. IF, 4.122**), 2019, Volume 9, Pages 1-14.
 - 17- Bioaerogels: Synthesis approaches, cellular uptake, and the biomedical applications, Fatemeh Pashaei Soorbaghi, Mojgan Isanejad, Sara Salatin, Milad Ghorbani, Samira Jafari, Hossein Derakhshankhah, (**Biomedicine & Pharmacotherapy, IF: 3.743**), 2019, Volume 111, Pages 964-975.
 - 18- Nanozyme antioxidants as emerging alternatives for natural antioxidants: Achievements and challenges in perspective, Milad Ghorbani, **Hossein Derakhshankhah**, Samira Jafari, Sara Salatin, Mojtaba Dehghanian, Mojtaba Falahati, Ali Ansari, (**Nano Today, IF: 16.582**), 2019, Volume 29, Pages 100775.

- 19- Recent Advances in Nanodentistry, Zhila Izadi, **Hossein Derakhshankhah**, Loghman Alaei, Emelia Karkazis, Samira Jafari, Lobat Tayebi, (**Springer, Cham, Book Chapter**), 2020.
- 20- Biomedical Applications of Zeolitic Nanoparticles, with an Emphasis on Medical Interventions, Hossein Derakhshankhah, Samira Jafari, Sajad Sarvari, Ebrahim Barzegari, Faezeh Moakedi, Milad Ghorbani, Behrang Shiri Varnamkhasti, Mehdi Jaymand, Zhila Izadi, Lobat Tayebi, (**International Journal of Nanomedicine, IF: 4.471**), 2020, Volume 15, Pages 363–386.
- 21- Impact of plasma concentration of transferrin on targeting capacity of nanoparticles, Mohammad Reza Sepand, Mahdi Ghavami, Steven Zanganeh, Sabrina Stacks, Forough Ghasemi, Hamed Montazeri, Claudia Corbo, Hossein Derakhshankhah, Seyed Nasser Ostad, Mohammad Hossein Ghahremani, Morteza Mahmoudi, (**Nanoscale, IF: 6.97**), 2020/02/13, DOI: 10.1039/c9nr08784b.
- 22- Cell Penetrating Peptides: As a Promising Theranostics Strategy to Circumvent the Blood-Brain Barrier for CNS Diseases, Behrang Shiri Varnamkhasti, Samira Jafari, Fereshteh Taghavi, Loghman Alaei, Zhila Izadi, Alireza Lotfabadi, Mojtaba Dehghanian, Mehdi Jaymand, Hossein Derakhshankhah, Ali Akbar Saboury, (**Current Drug Delivery, IF: 1.6**), 2020, DOI: 10.2174/1567201817666200415111755.
- 23- Electrospun cellulose acetate/gelatin nanofibrous wound dressing containing berberine for diabetic foot ulcer healing: in vitro and in vivo studies, Hadi Samadian, Sina Zamiri, Arian Ehterami, Saeed Farzamfar, Ahmad Vaez, Hossein Khastar, Mostafa Alam, Armin Ai, Hossein Derakhshankhah, Zahra Allahyari, Arash Goodarzi, Majid Salehi, (**Scientific Reports, IF: 4**).
- 24- Optimization and development of drug loading in hydroxyapatite–polyvinyl alcohol nanocomposites via response surface modeling approach, Samira Jafari, Ali Akbar Saboury, Hosnieh Tajerzadeh, Payam Hayati, Mojtaba Dehghanian, Fatemeh Pashaei Soorbaghi, Milad Ghorbani, Valiollah Kashani, **Hossein Derakhshankhah**, (**JICS. IF, 1.742**). 2020, Volume X, Pages, 1-11, Publisher, Springer-Verlag.
- 25- Novel therapeutic strategies for Alzheimer's disease: Implications from cell-based therapy and Nanotherapy, **Hossein Derakhshankhah**, Soraya Sajadimajd, Samira Jafari, Zhila Izadi, Sajad Sarvari, Majid Sharifi, Mojtaba Falahati, Faezeh Moakedi, Willis Collins Akeyo Muganda, Mareike Müller, Mohammad Raoufi, John F Presley, (**Nanomedicine: Nanotechnology, Biology and Medicine, IF: 5.57**), 2020, Volume XX, Pages 102149.
- 26- Characterization and anti-diabetic effects of the oligosaccharide fraction isolated from Rosa canina in STZ-Induced diabetic rats, Mehrali Rahimi, Soraya Sajadimajd, Zahra Mahdian, Marayam Hemmati, Peyman Malekkhatabi, Gholamreza Bahrami, Shahram Miraghaee, Raziieh Hatami, Kamran Mansouri, Samira Keshavarzi, Hossein Derakhshankhah, (**Carbohydrate Research, IF: 1.92**), Volume 489, March 2020, 107927.
- 27- A novel bio-inspired conductive, biocompatible, and adhesive terpolymer based on polyaniline, polydopamine, and polylactide as scaffolding biomaterial for tissue engineering application, Bakhshali Massoumi, Mojtaba Abbasian, Rana Jahanban-Esfahlan, Rahim Mohammad-Rezaei, Balal Khalilzadeh, Hadi Samadian, Aram Rezaei,

- Hossein Derakhshankhah, Mehdi Jaymand, (International journal of biological macromolecules, IF: 4.784), 2019, Volume xx, Pages xxx.**
- 28- Nanozyme-based sensing platforms for detection of toxic mercury ions: An alternative approach to conventional methods, Anwarul Hasan, Nadir Mustafa Qadir Nanakali, Abbas Salihi, Behnam Rasti, Majid Sharifi, Farnoosh Attar, Hossein Derakhshankhah, Inaam Ahmad Mustafa, Shang Ziyad Abdulqadir, Mojtaba Falahati, (**Talanta, IF: 4.91**), Volume 215, 2020, 120939.
 - 29- Naturally occurring biological macromolecules-based hydrogels: Potential biomaterials for peripheral nerve regeneration, Hadi Samadian, Hassan Maleki, Anwar Fathollahi, Majid Salehi, Shayan Gholizadeh, Hossein Derakhshankhah, Zahra Allahyari, Mehdi Jaymand, (**International Journal of Nanomedicine, IF: 4.471**), Volume 154, 2020, 795-817.
 - 30- Cell junction proteins: Crossing the glomerular filtration barrier in diabetic nephropathy, Aziz Eftekhari, Sepideh Zununi Vahed, Taras Kavetskyy, Maryam Rameshrad, Samira Jafari, Leila Chodari, Seyed Mahdi Hosseiniyan, Hossein Derakhshankhah, Elham Ahmadian, Mohammadreza Ardalan, (**International journal of biological macromolecules, IF: 4.784**), 2020, Volume 148, Pages 475-482.
 - 31- Dual stimuli-responsive polymeric hollow nanocapsules as “smart” drug delivery system against cancer, Rana Jahanban-Esfahlan, Bakhshali Massoumi, Mojtaba Abbasian, Amir Farnudiyan- Habibi, Hadi Samadian, Aram Rezaei, Hossein Derakhshankhah, Mehdi Jaymand, (**Polymer-Plastics Technology and Materials, IF: 1.705**), 2020, <https://doi.org/10.1080/25740881.2020.1750652>.
 - 32- A bio-inspired magnetic natural hydrogel containing gelatin and alginate as a drug delivery system for cancer chemotherapy, Rana Jahanban-Esfahlan, Hossein Derakhshankhah, Babak Haghshenas, Bakhshali Massoumi, Mojtaba Abbasian, Mehdi Jaymand, (**International Journal of Nanomedicine, IF: 4.471**), 2020, <https://doi.org/10.1016/j.ijbiomac.2020.04.074>.
 - 33- A review on the cleavage priming of the spike protein on coronavirus by angiotensin-converting enzyme-2 and furin, Anwarul Hasan, Bilal Ahamad Paray, Arif Hussain, Fikry Ali Qadir, Farnoosh Attar, Falah Mohammad Aziz, Majid Sharifi, Hossein Derakhshankhah, Behnam Rasti, Masoumeh Mehrabi, Koorosh Shahpasand, Ali Akbar Saboury, Mojtaba Falahati, (**Journal of Biomolecular Structure and Dynamics, IF: 3.3**), 2020, <https://doi.org/10.1080/07391102.2020.1754293>.
 - 34- Silybin as a potent inhibitor of α -synuclein aggregation and associated cytotoxicity against neuroblastoma cells induced by zinc oxide nanoparticles, Atena Khodabandeh, Rana Yakhchian, Anwarul Hasan, Bilal Ahamad Paray, Farshad Shahi, Behnam Rasti, Mirsasan Mirpour, Majid Sharifi, Hossein Derakhshankhah, Keivan Akhtari, Zhenxia Zhang, Guowei Gong, Yuzhong Zheng, Mojtaba Falahati, (**Journal of Molecular Liquids, IF: 4.5**), 2020, <https://doi.org/10.1016/j.molliq.2020.113198>.
 - 35- PEGylated hollow pH- responsive polymeric nanocapsules for controlled drug delivery, Bakhshali Massoumi, Mojtaba Abbasian, Rana Jahanban- Esfahlan, Sanaz Motamedi, Hadi Samadian, Aram Rezaei, Hossein Derakhshankhah, Amir Farnudiyan- Habibi, Mehdi Jaymand, (**Polymer International, IF:2.43**), 2020, <https://doi.org/10.1002/pi.5987>.

- 36- Gelatin-based nanofibrous electrically conductive scaffolds for tissue engineering applications, Bakhshali Massoumi, Mojtaba Abbasian, Balal Khalilzadeh, Rana Jahanban-Esfahlan, Aram Rezaei, Hadi Samadian, Hossein Derakhshankhah, Mehdi Jaymand, (**International Journal of Polymeric Materials and Polymeric Biomaterials, IF: 2.56**), 2020, <https://doi.org/10.1080/00914037.2020.1760271>.
- 37- Irreversible Thermal Inactivation and Conformational Lock of Alpha Glucosidase, Loghman Alaei, Zhila Izadi, Samira Jafari, Fatemeh Jahanshahi, Mehdi Jaymand, Pantea Mohammadi, Bilal Ahamad Paray, Anwarul Hasan, Mojtaba Falahati, Behrang Shiri Varnamkhashti, Ali Akbar Saboury, Zahra Moosavi-Nejad, Mehrnaz Sheikh-Hosseini, Hossein Derakhshankhah, (**Journal of Biomolecular Structure and Dynamics, IF: 3.5**), <https://doi.org/10.1080/07391102.2020.1762742>.
- 38- Conducting polymer-based electrically conductive adhesive materials: design, fabrication, properties, and applications, Hossein Derakhshankhah, Rahim Mohammad-Rezaei, Bakhshali Massoumi, Mojtaba Abbasian, Aram Rezaei, Hadi Samadian, Mehdi Jaymand, (**Journal of Materials Science: Materials in Electronics, IF: 2.1**)
- 39- Human plasma protein corona decreases the toxicity of pillar-layer metal organic framework, Hossein Derakhshankhah, Samira Jafari, Zhila Izadi, Loghman Alaei, Mehdi Jaymand, Hadi Samadian, Vali Kashani, Payam Hayati, Foad Noori, Kamran Mansouri, Faezeh Moakedi, Jan Janczak, Mohammad Soltanian Fard, Nozar Fayaz bakhsh, (**Scientific Reports, IF: 4**).
- 40- Association of Underlying Diseases and Clinical Characteristics with Mortality in Patients with 2019 Novel Coronavirus in Iran, Mohammadhossein Zamanian, Zohre Foroozanfar, Zhila Izadi, Samira Jafari, Hossein Derakhshankhah, Mehdi Salimi, Alireza Janbakhsh, Babak Sayad, Maria Shirvani, Seyed Vahid Jasemi, Feyzollah Mansouri, Mandana Afsharian, Zeinab Mohseniafshar, Ronak Miladi, Siavash Vaziri, (**Archives of Clinical Infectious Diseases**), [doi: 10.5812/archcid.104621](https://doi.org/10.5812/archcid.104621).
- 41- A novel multi-stimuli-responsive theranostic nanomedicine based on Fe₃O₄@Au nanoparticles against cancer, Bakhshali Massoumi, Amir Farnudiyani-Habibi, Hossein Derakhshankhah, Hadi Samadian, Rana Jahanban-Esfahlan, Mehdi Jaymand, (**Drug development and industrial pharmacy, IF: 2.3**), <https://doi.org/10.1080/03639045.2020.1821052>.
- 42- Stimuli-responsive natural gums-based drug delivery systems for cancer treatment, Khadijeh Soleimani, Hossein Derakhshankhah, Mehdi Jaymand, Hadi Samadian, (**Carbohydrate Polymers, IF: 7.1**), <https://doi.org/10.1016/j.carbpol.2020.117422>.
- 43- Bioreducible and pH-responsive shell crosslinked polymeric micelles from a star-shaped terpolymer as drug delivery system, Sanaz Motamedi, Bakhshali Massoumi, Mehdi Jaymand, Hossein Derakhshankhah, Effat Alizadeh, (**International Journal of Polymeric Materials and Polymeric Biomaterials, IF: 1.9**), <https://doi.org/10.1080/00914037.2020.1857382>.
- 44- Interactions of insulin with tragacanthic acid biopolymer: Experimental and computational study, Komail Sadrjavadi, Ebrahim Barzegari, Salar Khaledian, Hossein Derakhshankhah, Ali Fattahi, (**International Journal of Biological Macromolecules, IF: 5.1**). <https://doi.org/10.1016/j.ijbiomac.2020.07.122>.

- 45- Amyloid fibril inhibition, acceleration, or fragmentation; Are nano-based approaches advance in the right direction?, Mohammad Javad Hajipour, Hossein Mohammad-Beigi, Iraj Nabipour, Negar Mahmoudi, Morteza Azhdarzadeh, Hossein Derakhshankhah, Dina El Dawud, Reza Mohammadinejad, Daniel E Otzen, (**Nano Today**, **IF: 17**), <https://doi.org/10.1016/j.nantod.2020.100983>.
- 46- Magnetic nanocatalysts as multifunctional platforms in cancer therapy through the synthesis of anticancer drugs and facilitated Fenton reaction, Suliman Khan, Majid Sharifi, Anwarul Hasan, Farnoosh Attar, Zehra Edis, Qian Bai, Hossein Derakhshankhah, Mojtaba Falahati, (**Journal of Advanced Research**, **IF: 7**).
- 47- A novel bioreducible and pH-responsive magnetic nanohydrogel based on β -cyclodextrin for chemo/hyperthermia therapy of cancer, Khadijeh Soleimani, Elham Arkan, Hossein Derakhshankhah, Babak Haghshenas, Rana Jahanban-Esfahlan, Mehdi Jaymand, (**Carbohydrate Polymers**, **IF: 7.1**), <https://doi.org/10.1016/j.carbpol.2020.117229>.
- 48- Electrically Conductive Nanofibers Composed of Chitosan-grafted Polythiophene and Poly(ϵ -caprolactone) as Tissue Engineering Scaffold, Bakhshali Massoumi, Mojtaba Abbasian, Balal Khalilzadeh, Rana Jahanban-Esfahlan, Hadi Samadian, Hossein Derakhshankhah, Mehdi Jaymand, (**Fibers and Polymers**, **IF: 1.7**).

National and international approved projects

- MiR-34a and stroke: inhibition of MiR-34a as a probable mechanism for stroke treatment, Approval ID: IR.NIMAD.REC.1398.416, Approval Date: 2019-12-07, Evaluated by: National Institute for Medical Research Development.
- Optimization of cryopreservation protocol by a modified disaccharide to enhance the survival and viability of grafted pancreatic islets in mice diabetic model, Application No: 983923, Approval Date: 2020.03.24, Evaluated by: National Institute for Medical Research Development.
- Designing of novel cell penetrating peptides: in silico, in vitro and in vivo assessment, Application No: 984516, Approval Date: 2020.08.10, Evaluated by: National Institute for Medical Research Development.

Conferences and workshops

- Synthesis, electrochemical studies and artificial tyrosinase activity of a new designed homobinuclear copper (II) complex (Oral Presentation). **H. Derakhshankhah**, A. Divsalar, A. A. Saboury, H. Mansouri-Torshizi. (Abstract, 11th Iranian congress of Biochemistry, 8-10 February 2011 Qazvin),
- Artificial copper complex as the mushroom Tyrosinase active site. **Hossein Derakhshankhah**, Ali Akbar Saboury, Adeleh Divsalar. (8th Iranian nanotechnology student's conference).

- "Thermal inactivation and conformational lock in mushroom tyrosinase". L. Alaei, **H. Derakhshankhah**, A. A. Saboury and A. A. Moosavi-Movahedi, *The Eleventh Biochemistry Congress*, Qazvin University of Medical Sciences, Qazvin (February 8-10, 2011).
- Synthesis, structure, characterization and biological activity of a new dicopper complex including amine. **H. Derakhshankhah**, A. A. Saboury, A. Divsalar and L. Alaei. *10th Iranian Biophysical Chemistry Conference*, Islamic Azad University, Jahrom Branch, Jahrom, (February 22-23, 2011). *Journal of the Iranian Chemical Society* **8**(2011), A15.
- Synthesis, crystal structure, electrochemical studies and artificial tyrosinase activity of a new designed homobinuclear copper (II) complex. **Derakhshankhah, Hossein**. Saboury, Ali Akbar, Divsalar, Adeleh. Mansouri-Torshizi, Hassan. *Biophysical Journal*, vol. 100, issue 3, pp. 217a-217a. 02/2011, DOI: [10.1016/j.bpj.2010.12.1399](https://doi.org/10.1016/j.bpj.2010.12.1399). (55th Annual Meeting Baltimore, March 5-9, 2011.)
- Preparation and characterization of amphiphilic chitosan nanoparticles for hydrophobic drugs loading. Taranejoo Shahrouz , Janmaleki Mohsen, Monemian Seyed Ali, Kalativahid Ali, Ramazani Saadatabadi Ahmad, **Derakhshankhah Hossein**. The Polymer Processing Society, 26th annual meeting (PPS-26), July-24-26, 2010, Banff, Canada.
- Synthesis, Structural Characterization and DNA Interaction Studies of a New Dicopper Complex Including Amine. (Poster – [A-10-242-1]) **Hossein Derakhshankhah**, Ali Akbar Saboury, Divsalar, H. Mansouri-Torshizi. (12th Iranian Congress of Biochemistry & 4th International Congress of Biochemistry & Molecular Biology, Mashhad, Iran, 6-9 September 2011.)
- DNA- Binding study by a novel homobinuclear copper (II) complex as an artificial enzyme. **Derakhshankhah H.**, Bazl R., Saboury A. A.*, Divsalar A., Mansouri-Torshizi H. (22nd FAOBMB Conference, 5 – 7 October 2011, the Biopolis, Singapore).
- Synthesis, electrochemical, kinetics and physicochemical properties of a new dinuclear dinickel(II) complex as an artificial nanozyme. **Derakhshankhah H.**, Bazl R., Saboury A. A.*, Divsalar A., Mansouri-Torshizi H. (PPS 2011 Asia/Australia Regional Meeting, Kish island, Iran.
- Optimization of Size Exclusion Chromatography (SEC) Column for separation of dimeric forms of the Growth Hormone from its monomer. **Hossein Derakhshankhah**, Haleh Hamedifar, Fereidoun Mahboudi. 14th Pharmaceutical sciences congress and 1st symposium of biopharmaceutics and pharmacokinetics.
- Fibrinogen and A β -peptide interaction: Alzheimer Disease. **Hossein Derakhshankhah**, Rassoul Dinarvand, Morteza Mahmoudi, Ali Akbar Saboury and Ebrahim Barzegari. (CBC13thP178T1). 13th Conference on Biophysical Chemistry (CBC) 26-27 May 2015.
- Study of Interaction between Fibrinogen and Gold Nanoparticles. Alireza Lotfabadia, Rassoul Dinarvand, Morteza Mahmoudi, Ali Akbar Saboury and **Hossein Derakhshankhah**. (CBC13thP221T1) 13th Conference on Biophysical Chemistry (CBC) 26-27 May 2015.

- Small molecule (T606) and macromolecule (DNA) interactions: A theoretical study. Bita Taghizadeh, Niloofar Nzarian, Maryam Asadi, **Hossein Derakhshankhah**. (CBC13thP254T1) 13th Conference on Biophysical Chemistry (CBC) 26-27 May 2015.
- Attending a workshop entitled “Photolithography and its applications in Medical Sciences”, Tehran University of Medical Sciences, school of Advanced Technologies in Medicine. 2012.
- Attending a workshop entitled “Molecular Dynamics Simulation using LAAMPS package” Sharif University of technology, school of science and Nano technologies. 2013.
- Attending a workshop entitled “How to make an oral presentation or research in English”, Mashhad University of Medical Sciences, 2010.