



Mehrdad Khatami, M.Sc.

E-mail: mehrdad7khatami@gmail.com

PERSONAL INFORMATION

I was born in Kerman, Iran (Middle East of Asia). I received my academic degree in biotechnological engineering in 2015. My research interests include medical biotechnology, nanoscale metal and semi metals, biosynthesis nanoparticles, Biological applications of novel materials especially medical applications.

2019

1. **Khatami M**, Alijani HQ, Fakheri B, et al. Super-paramagnetic iron oxide nanoparticles (SPIONs): Greener synthesis using Stevia plant and evaluation of its antioxidant properties. *Journal of Cleaner Production* 2019;208: 1171-7.
2. Alijani HQ, Pourseyedi S, Torkzadeh Mahani M, **Khatami M**. Green synthesis of zinc sulfide (ZnS) nanoparticles using Stevia rebaudiana Bertoni and evaluation of its cytotoxic properties. *Journal of Molecular Structure* 2019;1175: 214-8.
3. Malakootian M, Gharaghani MA, Dehdarirad A, **Khatami M** et al. ZnO nanoparticles immobilized on the surface of stones to study the removal efficiency of 4-nitroaniline by the hybrid advanced oxidation process (UV/ZnO/O₃). *Journal of Molecular Structure* 2019;1176: 766-76.
4. Akhtartavan S, Karimi M, Karimian K, Azarpira N, **Khatami M**, Heli H. Evaluation of a self-nanoemulsifying docetaxel delivery system. *Biomedicine & Pharmacotherapy* 2019;109: 2427-33.

2018

“ISI”

1. **Khatami, M.**, Alijani, H. Q., Heli, H., & Sharifi, I. (2018). Rectangular shaped zinc oxide nanoparticles: Green synthesis by Stevia and its biomedical efficiency. *Ceramics International*. doi:<https://doi.org/10.1016/j.ceramint.2018.05.224>
- 2.
3. **Khatami, M.**, Alijani, H., Nejad, M., & Varma, R. (2018). Core@shell Nanoparticles: Greener Synthesis Using Natural Plant Products. *Applied Sciences*, 8(3), 411.
4. **Khatami, M.**, Alijani, H., & Sharifi, I. (2018). Biosynthesis of bimetallic and core shell nanoparticles: their biomedical applications: A review. *IET Nanobiotechnology*, 12. Retrieved from <http://digital-library.theiet.org/content/journals/10.1049/iet-nbt.2017.0308> doi:10.1049/iet-nbt.2017.0308
5. **Khatami, M.**, Sharifi, I., Nobre, M. A. L., Zafarnia, N., & Aflatoonian, M. R. (2018). Waste-grass-mediated green synthesis of silver nanoparticles and evaluation of their anticancer, antifungal and antibacterial activity. *Green Chemistry Letters and Reviews*, 11(2), 125-134. doi:10.1080/17518253.2018.1444797
6. Toolabi A, Malakootian M, Ghaneian MT, et al. **Khatami, M** Optimizing the photocatalytic process of removing diazinon pesticide from aqueous solutions and effluent toxicity assessment via a response surface methodology approach. *Rendiconti Lincei Scienze Fisiche e Naturali* 2018.
- 7.

2017

“ISI”

1. **Khatami M***, Mortazavi SM, Kishani-Farahani Z, Amini A, Amini E, Heli H. Biosynthesis of Silver Nanoparticles Using Pine Pollen and Evaluation of the Antifungal Efficiency. *Iranian Journal of Biotechnology* 2017;15: 95-101. IF: 0.4
2. **Khatami M***, Heli H, Jahani PM, Azizi H, Nobre ML. Copper/copper oxide nanoparticles synthesis using *Stachys lavandulifolia* and its antibacterial activity *IET Nanobiotechnology*. Institution of Engineering and Technology 2017. IF: 1.5
3. Mortazavi SM, **Khatami M***, Sharifi I, et al. Bacterial Biosynthesis of Gold Nanoparticles Using *Salmonella enterica* subsp. *enterica* serovar Typhi Isolated from Blood and Stool Specimens of Patients. *Journal of Cluster Science* 2017;28: 2997-3007. IF: 1.46
4. Zare E, Pourseyedi S, **Khatami M***, Darezereshki E. Simple biosynthesis of zinc oxide nanoparticles using nature's source, and it's in vitro bio-activity. *Journal of Molecular Structure* 2017;1146: 96-103.
5. Poor MHS, **Khatami M*** Azizi H, Abazari Y. Cytotoxic activity of biosynthesized Ag Nanoparticles by *Plantago major* towards a human breast cancer cell line. *Rendiconti Lincei* 2017. IF: 0.69
6. Sharifi F, Sharififar F, Sharifi I, Alijani H, **Khatami M**. Cytotoxicity, leishmanicidal, and antioxidant activity of biosynthesized zinc sulfide nanoparticles using *Phoenix dactylifera* *IET Nanobiotechnology*. Institution of Engineering and Technology 2017. IF: 1.5
7. **Khatami M**, Alijani H, Sharifi I, et al. Leishmanicidal Activity of Biogenic Fe₃O₄ Nanoparticles. *Scientia Pharmaceutica* 2017;85: 36.
8. Soltani Nejad M, Bonjar GHS, **Khatami M**, Amini A, Aghighi S. In vitro and in vivo antifungal properties of silver nanoparticles against *Rhizoctonia solani*, a common agent of rice sheath blight disease. *IET Nanobiotechnol* 2017;11: 236-40. IF: 1.5
9. **Khatami M***, Kharazi S, Kishani Farahani Z, Azizi H, Augusto Lima Nobre M. The anti-cancer effect of octagon and spherical silver nanoparticles on MCF-7 breast cancer cell line. *Tehran University Medical Journal* 2017;75: 0-

2016

“ISI”

1. Nejad MS, Bonjar GHS, **Khatami M**, Amini A, Aghighi S. *In vitro* and *in vivo* antifungal properties of silver nanoparticles against *Rhizoctonia solani*, a common agent of rice sheath blight disease *IET Nanobiotechnology*. Institution of Engineering and Technology 2017: 236-40. IF: 1.5
2. **Khatami M***, Mehnipor R, Poor MHS, Jouzani GS. Facile Biosynthesis of Silver Nanoparticles Using *Descurainia sophia* and Evaluation of Their Antibacterial and Antifungal Properties. *Journal of Cluster Science* 2016;27: 1601-12. IF: 1.5
3. Azizi Z, Pourseyedi S, **Khatami M***, Mohammadi H. *Stachys lavandulifolia* and *Lathyrus* sp. Mediated for Green Synthesis of Silver Nanoparticles and Evaluation Its Antifungal Activity Against *Dothiorella sarmentorum*. *Journal of Cluster Science* 2016;27: 1613-28. IF: 1.46
4. **Khatami M**, Nejad MS, Salari S, Almani PGN. Plant-mediated green synthesis of silver nanoparticles using *Trifolium resupinatum* seed exudate and their antifungal efficacy on *Neofusicoccum parvum* and *Rhizoctonia solani* *IET Nanobiotechnology*. Institution of Engineering and Technology 2016: 237-43. IF: 1.5

2015

“ISI”

1. **Khatami M***, Pourseyedi S. *Phoenix dactylifera* (date palm) pit aqueous extract mediated novel route for synthesis high stable silver nanoparticles with high antifungal and antibacterial activity. *IET Nanobiotechnology*. Institution of Engineering and Technology 2015: 184-90. IF: 1.5

HOBBIES

R & D, Reading, Sport, Sociology, games, Violon.