



Mandana ohadi

**No: Pharmaceutics Research Centre (PRC), Kerman University of
Medical Sciences, Kerman, Iran**

Email: mandanaohady@gmail.com

Education:

Since 2013: PhD student in Department of Pharmaceutical research center, University of Medical Sciences, Kerman, Iran.

2008-2011: M.SC. Department of Biotechnology, Islamic Azad University. Science and Research, Tehran, Iran

1999-2003: B.SC Agriculture engineering in Kerman University.

Theses:

M.SC Thesis:

Transient Expression of *ipaB Shigella flexneri* in *Nicotiana tabaccum* in comparison to expressed protein in *Escherichia coli*. Pasteur institute, Tehran.

Ph.D. Thesis:

Isolation and identification of biosurfactant-producing bacterial strain from oil contaminated soil samples, characterization of produced biosurfactant and evaluation of factors affecting on biosurfactant production

Research experiment and research skills:

- Expert in molecular cloning of bacteria, including primer design, DNA and extraction and purification, electrophoresis, restriction digestion, ligation, protein isolation and purification.
- Extensive in NCBI, or other on line medical sites.
- Isolation and purification of the Biosurfactants.
- Evaluation of wound healing activity and oral toxicity of biosurfactants in animal models.
- Assessment of antioxidant potential effect of biosurfactant in animal models
- Proven ability in using experimental design software.

Attendance in Congress:

- 1- Ohadi, M., Rasoli, R., Ehsani, P., Jafari, A.2012,Transient Expression of ipaB *Shigella flexneri* in Nicotiana tabaccum in comparison to expressed protein in Escherichia coli. 13th Iranian Pharmaceutical Sciences Congress. Isfahan, Iran.
- 2- Biotechnology congress. 2008, Tehran.

Professional Qualifications

- 1- Workshop on “Experimental design”, 2015, Kerman medical science university, Kerman, Iran (Executive Secretary).
- 2- Workshop on “Tumor Immunology and cancer symposium” 2014, Kerman medical science university, Kerman, Iran.
- 3- Workshop on “How to write Award Writing Grant Proposals” 2014, Kerman medical science university, Kerman, Iran.

- 4- Workshop on “Basic Principles of Real Time PCR” 2014, Kerman medical science university, Kerman, Iran.
- 5- Workshop on “Gene delivery”, 2014, Kerman medical science university, Kerman, Iran.
- 6- Workshop on “Animal cell culture techniques”, 2017, Kerman medical science university, Kerman, Iran.

Publications:

- 1-**Ohadi, M.,** Rasoli, R., Ehsani, P., Jafari, A.2012. **Expression of *ipaB* Shigella flexneri in *Nicotiana tabaccum*. *Avecina journal***
- 2-Shahba, Z., Baghizadeh, A., Yousefi, M., **Ohadi, M.** 2013. **The Effect of Salicylic Acid on Oxidative Stress Caused by NaCl Salinity in *Lycopersicum Esculentum* Mill.**
- 3- Sharififar F, Dehghan-Noudeh, Moshafi MH, **Ohadi M**, Zaman-Basir M, Yazdanpanah E, Yusefian S.2015. **Antimutagenic activity of major fractions of *Zataria multiflora* Boiss by Ames method. Volume: 9 | Issue: 3 | Page: 195-199.**
- 4 -**Mandana Ohadi**, Bagher Amir-Heidari, Mohammad Hassan Moshafi, Ali Mirparizi, Mohammadzaman Basir and Gholamreza Dehghan-Noudeh, 2014. **Encapsulation of Biosurfactant-Producing *Bacillus licheniformis* (PTCC 1320) in Alginate Beads.** *Biotechnology*, 13: 239-244.
- 5- B. Amir Heidari, S. Badinloo, **M. Ohadi**, G. Dehghan Nodeh, **Bioencapsulation of Biosurfactant-Producing *Bacillus subtilis* (PTCC 1023) in Alginate Beads**, *Jundishapur J Nat Pharm Prod*, inpress e33935.(2016).
- 6 - F. Sharififar, M. Ansari, T. Eslaminejad, **M. Ohadi**, B. Mobarrez, M. Raeiszadeh, S. Kalantari, T. Eslaminejad, **Antimicrobial Potency of Plant Species: A Review**, *European Journal of Medicinal Plants*, 11 (2016).
- 7- **M. Ohadi**, G. Dehghannoudeh, M. Shakibaie, I.M. Banat, M. Pournamdari, H. Forootanfar, **Isolation, characterization, and optimization of biosurfactant production by an oil-**

degrading *Acinetobacter junii* B6 isolated from an Iranian oil excavation site, Biocatalysis and Agricultural Biotechnology 12 (2017) 1-9.

8. M. Ohadi, G. Dehghannoudeh, H. Forootanfar, M. Shakibaie, M. Rajaei. **Investigation of the structural, physicochemical properties, and aggregation behavior of lipopeptide biosurfactant produced by *Acinetobacter junii* B6**. International Journal of Biological Macromolecules 112C (2018) 712-719

9. M Ohadi, H Forootanfar, H Rahimi E, jafari,. Shakibaie M, Eslaminejad T, Dehghannoudeh G. **Antioxidant Potential and Wound Healing Activity of Biosurfactant Produced by *Acinetobacter junii* B6**. Current pharmaceutical biotechnology.

10. Efficacy and safety of microbial surfactant in microemulsion drug delivery system: a systematic review. In press.

11. Biosynthesis and characterization of gold nanoparticles produced by lipopeptide biosurfactant from *Acinetobacter junii* B6. In press.

12. Antimicrobial and cytotoxicity activities of a promising lipopeptide biosurfactant from *Acinetobacter junii* B6. In press.

طرحهای تحقیقاتی:

۱- تعیین میزان انتقال ژن توسط بیوسورفکتانت استخراج شده از باکتریهای جدا شده از خاکهای آلوده به

نفت به سلولهای U87 با استفاده از پلاسמיד pmCherry-C1 در آزمایشات برون تنی

۲- بررسی اثرات ضد میکروبی و سمیت سلولی بیوسورفکتانت استخراج شده از باکتریهای جدا شده از

خاکهای آلوده به نفت بر روی سویه های مختلف باکتریایی و رده های سلولی حیوانی

۳- بررسی فعالیت ترمیم زخم و آنتی اکسیدانی بیوسورفکتانت تولید شده از باکتری اسپیتو باکتر جویینی

۴- فرمولاسیون و بررسی خواص فیزیکوشیمیایی ژل بیوسورفکتانت تولید شده از باکتری اسپیتو باکتر

جویینی B6

۵- تولید و ارزیابی نانو لیپوپتید بیوسورفکتانت تولید شده توسط باکتری اسپیتوباکتر جویینی B6

۶- تهیه و فرمولاسیون نانو فیبر (نانو الیاف) بیوسورفکتانت تولید شده توسط باکتری اسپیتوباکتر جویینی B6

۷- جداسازی و شناسایی سویه مولد بیوسورفکتانت از نمونه های خاک آلوده به آلاینده های نفتی ، تعیین

خصوصیات بیوسورفکتانت تولیدی و بررسی فاکتورهای موثر بر تولید آن