

Ishan Ghai

Life Sciences & Chemistry
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Nationality: Indian
Date of Birth: 26/04/1988

Education

02/2015 – Jacobs University, Bremen, Germany
07/2017 Ph.D Biochemical Engineering
08/2010 – PGI University Haryana, India
01/2013 Masters of Pharmacy (Pharmaceutics)
08/2006 – Jamia Hamdard University, Delhi, India
07/2010 Bachelor of Pharmacy

Practical Experience

02/2013 – Government Polytechnic Education Society, Haryana, India
03/2014 Guest Lecturer

Dissertation Topics

Master's Formulation & Optimization of Nano-Ethosomes for Delivery of Lovastatin Via Transdermal Route
PhD Quantifying the Flux of Charged Molecules through Bacterial Membrane Proteins

PhD Advisor Prof. Dr. Mathias Winterhalter (Jacobs University, Bremen)

Skills and Achievements

Languages: English: Proficient, German: basic knowledge

PC Knowledge: Expert Basic Operations.

Programming: C language, working knowledge.

Publications: **Ghai, Ishan.**, Pira, A., Scorciapino, M.A., Bodrenko, I., Benier, L., Ceccarelli, M., Winterhalter, M. and Wagner, R., 2017. General Method to Determine the Flux of Charged Molecules through Nanopores Applied to β -Lactamase Inhibitors and OmpF. *The Journal of Physical Chemistry Letters*, 8(6), pp.1295-1301.

Ghai, Ishan., Winterhalter, M. and Wagner, R., 2017. Probing transport of charged β -lactamase inhibitors through OmpC, a membrane channel from *E. coli*. *Biochemical and biophysical research communications*, 484(1), pp.51-55.

Samanta, S., D'Agostino, T., Ghai, I., Pathania, M., Gutierrez, S.A., Scorciapino, M.A., Bodrenko, I., Wagner, R., van den Berg, B., Winterhalter, M. and Ceccarelli, M., 2017. How to Get Large Drugs through Small Pores? Exploiting the Porins Pathway in *Pseudomonas Aeruginosa*. *Biophysical Journal*, 112(3), p.416a.

Ghai, Ishan., Chaudhary, H., Ghai, S., Kohli, K. and Kr, V., 2012. A Review of Transdermal Drug Delivery Using Nano-Vesicular Carriers: Transfersomes. *Recent Patents on Nanomedicine*, 2(2), pp.164-171.

Ghai, S., Driller, M. and **Ghai, Ishan.**, 2017. Effects of joint stabilizers on proprioception and stability: a systematic review and meta-analysis. *Physical Therapy in Sport*, 25, pp.65-75.

Ghai, S., **Ghai, Ishan.** and Effenberg, A.O., 2017. effects of dual tasks and dual-task training on postural stability: a systematic review and meta-analysis. *Clinical interventions in aging*, 12, p.557.

References: Prof. Dr. Mathias Winterhalter
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