

Dr. Mansoor Hassan Alshehri

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Education

- **University of Adelaide, Adelaide, Australia**

PhD in Applied Mathematics (Nanotechnology), **with *Dean's Commendation for Doctoral Thesis Excellence for Outstanding Thesis* 2014**

Thesis Title: Modelling interaction of DNA with carbon nanostructures

- **University of Wollongong, Wollongong, Australia**

Master in Mathematics 2010

- **Riyadh Teachers College, Riyadh, Saudi Arabia**

Bachelor of Mathematics with second class honors (GAP: 4.48 out of 5) 2006

Working Experience

- *2014- now: Assistant Professor of Mathematics, College of Sciences, King Saud University.*
- *2007 – 2008: Assistant lecturer in College of Teachers, King Saud University.*
- *2008- 2014: Scholarship for higher studies in Australia*
- *2006 – 2007: Mathematics teacher in the middle school.*

Skills

- Languages: Arabic and English (abilities in speaking, reading and writing).
- Programming languages: Maple .
- Word Processing: Latex, Word, Excel, PowerPoint.
- Operating Systems: Windows and Apple's Mac OS X.

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Academic Awards

Dean's Commendation for Doctoral Thesis Excellence for Outstanding PhD Thesis 2014

Publications

1. M. H. Alshehri, B. J. Cox, and J. M. Hill. Interaction of double-stranded DNA inside single-walled carbon nanotubes. *Journal of Mathematical Chemistry*, 50:2512–2526, 2012.
2. M. H. Alshehri, B. J. Cox, and J. M. Hill. DNA adsorption on graphene. *European Physical Journal D*, 67: 226 (9pp), 2013.
3. M. H. Alshehri, B. J. Cox, and J. M. Hill. Offset configurations for single- and double- strand DNA inside single-walled carbon nanotubes. *European Biophysics Journal*, 43: 25–33, 2014.
4. M. H. Alshehri, B. J. Cox, and J. M. Hill. Determination of the optimal nanotube radius for single-strand DNA encapsulation. *Micro and Nano Letters*, 9: 113–18, 2014.
5. M. H. Alshehri, B. J. Cox, and J. M. Hill. C60 fullerene binding to DNA. *European Physical Journal B*, 87: 199, 2014.

Conferences

1. ANZIAM 2012, Australia and New Zealand Industrial Applied Mathematics, Warrnambool, Victoria, Australia.
2. ICONN 2012, International Conference on Nanoscience and Nanotechnology, Perth, Australia.