

Pankaz K. Sharma, Ph.D.

Associate Professor, Department of Chemistry

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Areas of Expertise

Applied Theoretical/Computational Chemistry

Computational Biophysics/Biochemistry

Computational Bioinorganic Chemistry

Academic Qualifications

Ph.D. (Applied Theoretical Chemistry) University of Hyderabad, India (2002)

M.Sc. (Physical Chemistry) University of Delhi, India (1995)

B.Sc. (Major: Chemistry) Gauhati University, India (1991)

Employment History

1) Associate Professor in Chemistry

Cotton College State University, Guwahati (March, 2015- Present)

2) Research Professor and Brain Pool Researcher (January, 2013 – October, 2014)

College of Pharmacy and School of Pharmaceutical Sciences, Ewha Womans University, Seoul

3) Assistant Professor in Computational Sciences (Guest Faculty)

Department of Chemistry, Sir Syed College, Kerala (INDIA) (September, 2012 – December, 2012)

4) Research Associate (November, 2008 – April, 2012)

Postdoctoral Research Associate (December, 2003 – November, 2008)

Department of Chemistry, University of Southern California (December, 2003 – April, 2012)

Supervisor: Professor Arie Warshel (Nobel Laureate in Chemistry, 2013)

5) Postdoctoral Fellow (June, 2001– November, 2003)

Department of Organic Chemistry, Hebrew University of Jerusalem, Israel

Supervisor: Professor Sason Shaik

Professional Experience

Grant Applications for External Funding

Assisted Professor Arie Warshel in writing several successful grant applications (2005–2012) to the National Institutes of Health (NIH), USA, and the National Science Foundation (NSF), USA

Total grant award amount: Several million US dollars.

Written a successful grant application (on behalf of Ewha Womans University, Seoul) to the *Clare Boothe Luce* Foundation under their **Expanding Horizons** initiative (awarded in November, 2013).

Grant award amount: USD 1.5 million (for a period of 3 years)

Details of Peer-Reviewed Research Publications in International Journals

Total Number of papers published: 30

Total number of citations: 2537

Hirsch (H) Index = **22** (January, **2016**)

Awards/Fellowships

- Brain Pool invited researcher, Korean Federation of Science and Technology (April **2013** – March **2013**)
- Senior Research Fellowship, Council of Scientific and Industrial Research, Govt. of India (**1997–2000**)
- Junior Research Fellowship, Council of Scientific and Industrial Research, Govt. of India (**1995–1997**)
- Qualified in the Graduate Aptitude Test for Engineers (GATE), India (**1995**).
- National Merit Scholarship, Government of India (**1986–1991**)
- State Merit Scholarship, Government of Assam, India (**1986–1994**)

Non-Academic (Creative Non-Fiction) Published Works

- 1) The three burials of Danny Denzongpa, Pankaz K. Sharma, *Himal Southasian*, June, **2014**
<http://himalmag.com/three-burials-danny-denzongpa/>
- 2) Dawn of the TV-ing dead, Pankaz K. Sharma, *Himal Southasian*, July, **2012**
<http://old.himalmag.com/component/content/article/5076-dawn-of-the-tv-ing-dead.html>
- 3) Memories of my melancholy ghosts, Pankaz K. Sharma, *Himal Southasian*, April, **2012**
<http://old.himalmag.com/component/content/article/5045-memories-of-my-melancholy-ghosts-.html>
- 4) Chronicle of some deaths foretold, Pankaz K. Sharma, *Himal Southasian*, October, **2012**
<http://old.himalmag.com/component/content/article/344-chronicle-of-some-deaths-foretold.html>
- 5) Those school-less days, Pankaz K. Sharma, *Himal Southasian*, July, **2010**
<http://old.himalmag.com/component/content/article/3592-those-school-less-days.html>
- 6) A 3-D shirt for the buffalo, Pankaz K. Sharma, *The North East Review*, October, **2013**
<https://northeastreview.wordpress.com/2013/10/03/pankaz/>
- 7) Rapid Hindi speaking course: The Indian army style, Pankaz K. Sharma, *Antiserious*, October, **2015**
<https://www.antiserious.com/2015/10/12/rapid-hindi-speaking-course-the-indian-army-style/>
- 8) During the Assam riots we found a new game, Pankaz K. Sharma, *Antiserious*, March, **2015**
<https://www.antiserious.com/2015/03/17/during-the-assam-riots-we-found-a-new-game/>
- 9) Mayong, Mother, and Mangaldai: Black Magic That Doesn't Let Your Rice Boil, Pankaz K. Sharma, *Antiserious*, February, **2015**
<https://www.antiserious.com/2015/02/10/mayong-mother-mangaldai-black-magic-doesnt-let-rice-boil/>

Previous Experience with Translation

1. Worked with the National Book Trust (NBT), New Delhi, India as a freelance translator, proof-reader and index maker for years, during **1994-2000**.
2. Had translated two books for the NBT:
 - a) **Birbal Sahni**, a biography of Professor Birbal Sahni, by Shakti M. Gupta
 - b) **Wonder in the Sand**, a children's novel, by Cheryl Raoboth from English into Assamese in **1998** and **2000** respectively, and published by the NBT.
3. Have been carrying out freelance translation and proof-reading works over the years for various Indian, India-based, and US farms.