

# Dr. Harekrushna Sahoo

Assistant Professor

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**Home Page:** <http://nitrkl.academia.edu/HarekrushnaSahoo> and  
<http://sites.google.com/site/hsahoo>

## Academic profile

- M.Sc. (Physical & Nuclear Chemistry), Utkal University, Bhubaneswar, India
- M. Tech. (Corrosion Science & Technology), NIT Durgapur, India
- Ph.D. (Biophysical Chemistry), Jacobs University Bremen, Germany

## Research & Professional Experience :

- Assistant Professor, NIT Rourkela, India –May 2012 – till date
- Guest Scientist, Max-Bergmann Center, Dresden, Germany – January 2012 to May 2012
- Postdoctoral Research Fellow, TU Dresden, Germany – January 2010 to December 2011
- Postdoctoral Research Fellow, UMASS-Amherst, USA – April 2007 to December 2010
- Research Associate, Jacobs University Bremen, Germany – December 2006 to March 2007

## Research Interest:

Biophysical Chemistry: Extracellular Matrix, Glycosaminoglycans, Peptide and Protein Dynamics.  
Fluorescence Resonance Energy Transfer, Fluorescence Correlation Spectroscopy

## Selected Publications:

1. H. Sahoo, Förster Resonance Energy Transfer-A Spectroscopic Nanoruler: Principle and Applications, Journal Photochemistry and Photobiology C: Photochemistry Reviews, 2011, 12(1), 20-30.
2. H. Sahoo, D. Roccatano, A. Hennig, and Werner M. Nau, A 10-Å Spectroscopic Ruler Applied to Short Polyprolines, Journal of the American Chemical Society, 2007, 129(31), 9762-9772.
3. H. Sahoo, D. Roccatano, M. Zacharias, and Werner M. Nau, Distance Distributions of Short Polypeptides Recovered by Fluorescence Resonance Energy Transfer in the 10 Å Domain, Journal of the American Chemical Society, 2006, 128 (25), 8118-8119.

**For Details: Please see homepage**