

Curriculum Vitae



Name: Dr. Sunil Kumar Srivastava

Position: Assitant Professor, Guru Ghasidas University, Bilaspur

Date of Birth: 01.07.1977

Nationality: Indian

Education:

1998 Bachelor of Science (B. Sc.) (Physics, Chemistry, Maths), Banaras Hindu University

2000 Master of Science (M. Sc.) in Physics, Banaras Hindu University

2005 Ph. D. in Physics, Banaras Hindu University

Research areas:

- Molecular spectroscopy using Laser **Raman** techniques
- **Inter- / intra-molecular interactions, proper and improper hydrogen bonding** in liquids
- Study of **vibrational dephasing** in **Liquid binary mixture** using **polarized Raman spectroscopy**
- Resonance energy transfer, transition dipole - transition dipole coupling and **Raman non-coincidence effect** in polar molecules
- **Temperature induced phase transitions in liquid crystalline system**
- Surface enhanced Raman spectroscopy (**SERS**) of biologically relevant molecules
- Raman spectroscopy of **nano-structured materials and CNT's**

Career:

11/2000 - 10/2002 Junior Research Fellow (Banaras Hindu University)

11/2002 - 10/2004 Senior Research Fellow (Banaras Hindu University)

05/2006 - 04/2007 **UGC Research Fellow** (Banaras Hindu University)

05/2007 - 06/2007 Guest researcher at University of Würzburg

07/2007 - 06/2008 DFG (SFB-630) **Research Associate** (University of Würzburg)

07/2008 - 12/2009 **Alexander von Humboldt Fellow** (University of Würzburg / University of Osnabrück)

07/2011 - 06/2014 International DFG project Germany (Research group linkage program)

11/2010 – Contd. DST SERC Fast Track Young Scientist (Banaras Hindu University)

Honors/Awards:

07/2008 - 12/2009 **Alexander von Humboldt Fellow** (University of Würzburg / University of Osnabrück)

Publications:

31 peer-reviewed publications

25 papers in International Conferences