


## Faculty Profile

<b>Name of Faculty</b>	<b>Dr. C S Nagaraja</b>	
<b>Department</b>	Physics	
<b>Qualification</b>	M Sc., Ph.D.	
<b>Designation</b>	Associate Professor	
<b>Area of specialization</b>	NMR and $\mu$ MRI in Medical and Bio-Physics, NMR based Quantum computing and its applications.	
<b>Date of Joining BNMIT</b>	05.07.2019	
<b>Nature of Association (Regular/Contractual/Adjunct)</b>	Regular	
<b>e-mail</b>	nagaraja1970@gmail.com	
<b>No. of years of Experience</b>	Teaching: 3 years Research: 19 years	

### **Academic Qualifications**

- **Ph.D.** (2001), Department of Physics, Indian Institute of Science, Bangalore, India.
- **M.Sc.** (1994), Physics, Indian Institute of Technology Madras, Chennai
- **B.Sc.** (1991), National College Basavanagudi, Bangalore University

### **Working Experience Details**

- Associate Professor, Dept. of Physics, BNMIT, Bangalore (2019 – Till date).
- Scientist Fellow at Oakland University Michigan USA (2018 – 2019).
- Associate Director IPDO, Dr. Reddy's lab Hyderabad (2015-2017).
- Application Scientist Agilent Technology Bangalore (2012-2015).
- Function Head Aurigene Discoveries Technologies ltd Bangalore (2006-2012)
- Scientist Fellow CFTRI Mysore (2005-2006)
- Research Scientist Aurigene Technologies ltd Bangalore (2002- 2005)
- Research Scientist JFWTC, GE, Bangalore (2000-2002).

## **Research Experience Details:**

### **Ph.D:**

**Thesis:** “Solid state NMR Methods for the Study of oriented Systems: New Techniques and Application”

### **Professional Memberships:**

- Life Member, National Magnetic Resonance Society (NMRS).

### **Research Publications:**

1.  $\mu$ MRI STUDY FOR MINIMIZING THE ANISOTROPIC INTERACTIONS AND ANGLE DEPENDENCE OF THE CARTILAGE.

**C.S. NAGARAJA AND YANGA XIA ( SUBMITTED FOR JOURNAL)**

2. Heteronuclear Saturation Transfer Difference(HSTD) experiment for Detection of ligand binding to Proteins.

**C.S. NAGARAJA CHEM. PHYS. LETT. 420, (340-346), 2006.**

3. An accurate and simple method for setting the magic angle for solid state NMR experiments.

**C.S.NAGARAJA AND K.V.RAMANATHAN J.MAGN.RESON. 146, (165-168), 2000.**

4. Determination of order parameters of liquid crystals: use of dipolar oscillations enhanced by Lee-Goldburg decoupling,

**C.S.NAGARAJA AND K.V.RAMANATHAN LIQ. CRYST, 26, (17-21),1999.**

5. Nematogens with more flexible chains than aromatic rings in the core.

**P. BERDAGUE, M. MUNIER, P. JUDEINSTEIN, J.P. BAYLE, C.S. NAGARAJA AND K.V.RAMANATHAN LIQ. CRYST., 26, (211-218),1999.**

6. Ordering of some liquid crystals containing 2-phenylindazole core.

**P. BERDAGUE, P. JUDEINSTEIN, J.P. BAYLE, C.S.NAGARAJA, NEERAJ SINHA AND K.V.RAMANATHAN LIQ. CRYST., 28, 197, 2001.**

7. Suppression of sidebands in two-dimensional exchange and MQMAS spectroscopies in solids by Variable Speed Magic Angle Sample Spinning.

**T.S.MAHESH, T.G. AJITH KUMAR, C.S. NAGARAJA, G.BODENHAUSEN AND ANIL KUMAR CHEM.PHYS.LETT. 319, (278-282), 2000.**

8. A Structure –Based Strategy for New drug Discovery

**RAMESH SISTLA, CHAKSHUSMATHI GHADIYARAM, NAGARAJA C. SRINIVASAN AND HOSAHALLI SUBRAMANYA, INNOVATIONS IN PHARMACEUTICAL TECHNOLOGY, (18-23), 2006**

**Personal Details:**

- **Name:** C S Nagaraja
- **Age:** 22-07-1970
- **Gender:** Male.
- **Nationality:** Indian

**17<sup>th</sup> July 2019**

**Dr. C S Nagar**