

## Faculty Profile



Name: D.R Birbal Singh

Residential Address: Engineering Colony, FET R.B.S College, Bichpuri ,Agra

Designation: Professor & Head **Mob:** 09412373079

**Department: Electronics & Communication Engg.**

**Email:** bbsagra@gmail.com

**Research Interests:** Seismo-Electromagnetics & Space Science

**Highest Qualification (Degree with specialization) :** Ph.D in Electronics

**PhD's Produced (Number only) :** 12(Awarded), 2(Under process)

**Sponsor Project Undertaken :**

Title	Duration	Budget	Sponsoring agency
Study of whistlers at low latitudes Code 5518	1974-76	1000.00	UGC
Expermental study of Whistlers and VLF Emissions	1977-79	8000.00	UGC
Study of whistlers and VLF Emissions (Major Project)	1977-80	31000.00	UGC
Whistlers and VLF Emissions at low latitudes code11062	1980-82	6000.00	UGC
whistlers induced precipitation Code 2354	1986-88	10000.00	UGC
Study of low latitude Ionosphere using Whistlers &	1989-93	459600.00	DST

## VLF Scintillation Techniques

Recording & analysis of magnetospheric emissions(Major Project)	1991-94	100000.00	UGC
Terrestrial and Other planetary Kilometric emissions	1991-94	11000.00	UGC
Direction findings and real time analysis of low latitude whistlers (Major project)	1994-97	327000.00	DST
Study of VLF precursory radio emissions associated with earthquake (Major project)	1997-2000	1236836.00	DST
Study of ultra low frequency (ulf) Electromagnetic precursors earthquakes	2001-04	1944200.00	DST
Wave-particle interaction & precipitation in the low latitude Ionosphere	2004-07	1244339.00	DST
ULF-VLF precursory Radio emissions associated with earthquake	2003-06	870000.00	CSIR Emeritus
Remote sensing of the low latitude Ionosphere & Magnetosphere using Whistler technique	2007-10	1787806.00	DST
A network mode study of ultra low frequency (ULF) emissions associated with earthquakes	2007-10	176880.00	DST

### **Brief Bio-data:**

Dr. Birbal Singh was born on 13 Feb., 1943 at Jaunpur in EAST Uttar Pradesh. His early education was held at Ghajipur(U.P.). He did hi B.Sc., M.Sc. and Ph.D from Gorakhpur University (1963), Agra University (1965) and Banaras Hindu University (1973) respectively. After completion of his education, he started independent research work field of Space science at Bichpuri campus of R.B.S College, Agra from 1974 that is still continued. He reoriented research work towards earthquake prediction with a new technique known as “Seismo-Electromagnetic technique” in 1998 for the first time in India, and put Agra on the search map of India in the field of Space Science and Seismo-Electromagnetics research. He has produced 12 Ph.D and published 100 research papers in reputed Indian and foreign journals some of which received national awards for best papers. He has participated in more than 70 National and International Conferences in India and abroad. His biography was published in the eight edition of the International directory of distinguished leadership in U.S.A.

Dr. Singh is a member of society of Atmospheric Electricity, Japan, International Association of Geomagnetism and Aeronomy, National Task Force on Earthquake and Tsunami etc. He has widely traveled abroad including France, Japan, China, Singapore, Hungary and other South-East Asian countries prone earthquake, volcanoes, and tsunami. He organized two

International Conferences in R.B.S College, Agra. He led a delegation of Indian Scientists to attend DEMETER satellite conference in France in June 2006. Dr, Singh and his group was invited by Ex-President Dr. A.P.J Abdul Kalam at Rastrapati Bhavan, New Delhi on 11 Oct., 2004 for a discussion on Seismo-Electromagnetics. After retirement as Head, Department of Physics, R.B.S College, Agra in June 2003, he was selected as CSIR Emeritus Scientist and presently he is working as Professor and Head Department of Electronics and Communication Engineering, Faculty of Engineering & Technology, R.B.S College, Bichpuri, Agra.