

Prof. (Dr.) Bihari Singh

Prof. Dr. Bihari Singh is a distinguished Indian chemistry professor, researcher, and academic administrator from Bihar, whose career has been closely associated with **A. N. College, Patna**, and the field of **chemistry and environmental science**. Over several decades, he has contributed to higher education, scientific research, environmental studies, and academic activities. The Department of Chemistry at A. N. College records Dr. Bihari Singh as having headed the department, while other institutional material also identifies him as a former principal of the college.

Born on **2 November 1951**, Prof. Singh pursued his education in chemistry with distinction. He completed his **B.Sc. (Honours) in Chemistry in 1969**, followed by an **M.Sc. in Chemistry in 1971**, in which he was awarded a **Gold Medal for securing first position in the university**. He subsequently obtained his **Ph.D. from Patna University in 1984** and was awarded a **D.Sc. from the University of Allahabad in 2001**.

Academic and Professional Career:

Prof. Singh began his teaching career at **A. N. College, Patna**, joining as a permanent lecturer in Chemistry on **20 August 1976**. He was promoted to the position of **Reader in 1986** and subsequently became **Professor of Chemistry in 1992**. During his long association with the institution, he served as **Professor and Head of the Department of Chemistry** and also as **Professor-in-Charge of the Postgraduate Department of Environmental Sciences**.

He additionally served as **Professor-in-Charge (Principal) of A. N. College, Patna**, from **1 February 2016 to 16 October 2016**. His academic career includes more than **three decades of teaching and research experience**, with substantial experience at both undergraduate and postgraduate levels.

His work has also extended into environmental education and management. He served as a coordinator associated with environmental science programmes, including the **M.A./M.Sc. Environmental Science programme at Nalanda Open University, Patna**. A prospectus of Nalanda Open University also identifies Prof. (Dr.) Bihari Singh among the coordinators associated with its School of Environmental Science and Disaster Management.

Research and Scholarly Contributions:

Prof. Singh has maintained a strong research orientation throughout his career. According to the biographical material provided, he has **successfully guided 20 scholars for Ph.D. degrees**, including researchers associated with Magadh University, Bodh Gaya. His research interests have included **chemistry, environmental science, water quality, fluorosis, and environmental pollution**. Among his research projects was a study of different aspects of **physical defluorination and its relationship with drinking-water quality in selected areas of Bihar**, sponsored by the Department of Science and Technology, Government of India.

Another major project concerned an **integrated fluorosis-mitigation programme in the fluorosis-endemic areas of Bihar**, involving water-quality monitoring and surveillance. The project involved collaboration among organizations including UNICEF Bihar, Patna; CSIR-NIEERI; ICMR-NIRTH, Jabalpur; and the Public Health Engineering Department, Government of Bihar.

His academic record lists **47 research papers in reputed national and international journals**, **24 contributions in books on chemistry and environmental education**, and **10 contributory articles/study materials**.

Scientific Societies and Professional Associations:

Prof. Singh has been associated with several scientific organizations. His professional memberships include:

- **Indian Science Congress Association** — Life Member
- **Indian Chemical Society, Kolkata** — Life Member and Fellow
- **Institution of Chemists, India, Kolkata** — Life Member and Fellow
- **International Society for Fluoride Research (ISFR)** — Life Member
- **Association of Chemistry Teachers, TIFR, Mumbai** — Life Member

His professional standing has also been recognized outside his home institution. For example, the Indian Institute of Science and related academic reporting records his receipt of a chemistry-teaching award for contributions to chemical sciences.

Conferences and International Academic Engagement:

Prof. Singh has participated extensively in national and international seminars, conferences, and workshops. His documented academic activities include participation in the **Diamond Jubilee celebrations of the Indian Chemical Society**, the **89th Indian Science Congress at the University of Lucknow**, international seminars on solid-waste technology and management, and international conferences connected with chemistry and environmental sciences.

He also participated in international scientific events in countries including the **United States, Canada, Thailand, and Sri Lanka**. His international academic engagements reflect his interest in connecting chemical sciences with environmental and public-health concerns.

Academic and Public Outreach:

In addition to teaching and research, Prof. Singh has contributed to academic and public scientific activities. He has delivered **invited lectures**, served as a **judge at academic events**, acted as a **chairperson/rapporteur in scientific sessions**, and participated as **guest faculty in training programmes**.

He has also taken part in **radio talks and broadcasts through All India Radio and Door Darshan, Bihar**, helping communicate scientific and environmental subjects to a wider audience.

His contribution to academic activities has also been recognized through his participation in conventions, seminars, and workshops organized at A. N. College and elsewhere.

Awards and Honours:

Prof. Singh has received several honours during his academic career. Among those mentioned in his professional record are:

1. **Best Chemistry Teacher Award**, presented by the **National Convention of Chemistry Teachers (NCCT)** associated with the Tata Institute of Fundamental Research (TIFR), Mumbai.
2. **Life Time Achievement Award** from the **International Society for Fluoride Research (ISFR), New Zealand**, presented during its national convention at the All-India Institute of Medical Sciences (AIIMS), New Delhi, in **2024**.
3. **Babu Kunwar Singh Shiksha Samman**, conferred by **Babu Kunwar Singh Shiksha Nidhi, Patna, Bihar**.

Legacy in Education and Environmental Science:

Prof. Dr. Bihari Singh's professional life represents a combination of **chemistry education, scientific research, environmental studies, academic administration, and public scientific outreach**. His long association with A. N. College, Patna, included responsibilities as a teacher, researcher, Head of the Chemistry Department, Professor-in-Charge of Environmental Sciences, and Principal-in-Charge.

His research and academic interests have extended beyond conventional chemistry into important environmental issues, particularly **water quality and fluoride contamination**, which have significant implications for public health in parts of Bihar. His contributions to chemistry teaching have also been recognized through professional awards and participation in national and international scientific organizations.

The continuing prominence of the Chemistry Department at A. N. College, including its research and postgraduate activities, reflects the institutional academic environment in which Prof. Singh spent much of his career.