

**SUMMARY OF ACADEMIC/ADMINISTRATIVE EXPERIENCE OF
Prof. Hardeo Singh Yadav, Director, NERIST (w.e.f. 6.03.2018 to date)**



Dr. Hardeo Singh Yadav
Professor, Department of Chemistry
Former Director i/c, Ex. Dean-Admin & Students Affairs,
North Eastern Regional Institute of Science and Technology
(NERIST), Nirjuli 791109, Itanagar, Arunachal Pradesh
(Under MHRD, Govt. of India)
(Deemed to be university u/s 3 of the UGC Act 1956)
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Academic achievements: M.Sc.(CHEMISTRY), 1981; DDU Gorakhpur University.
Ph. D. (CHEMISTRY), 1986, DDU Gorakhpur University.

Research & Teaching : 33 years research and Teaching experience out of which 8 years as Associate Professor & 16 years as Professor of Chemistry.

Visits Abroad and Collaboration with Foreign Academies/ Universities

- (i) Nominated by Indian National Science Academy for exchange visit with Polish Academy of Science(PAS), collaborated with Prof. Julita Eilmes, Institute of Chemistry, Jagiellonian University, Krakow, Poland (Nov. 12, 1990 to Feb. 10, 1991)
- (ii) Visited research laboratory of Professor Jacek Mlochowski, Institute of Organic and Physical Chemistry, Technical University of Wroclaw, 30-370, Wroclaw, Poland and delivered a talk on "The Role of Oxocations in the Synthesis of Macrocycles", 1-2 Feb.,1991.
- (iii) Nehru Centenary British Fellow-1982, Collaborated with Prof. C. David Garner, Chemistry Department, The University of Manchester , 9 PL , U.K. (Oct. 20, 1992 to Oct. 20,1993)
- (iv) Visited Institute for Anorganische Chemie. Universitat Stuttgart, Stuttgart, Germany and attended International Conference on Inorganic Chemistry where our research work on Amavadin and its Molybdenum analogues was rated best contribution in poster session (Sept 12-15 1993).
- (v) Nominated by Indian National Science Academy to collaborate with Polish Academy of Science and worked with Prof. Jacek Mlochowski, Institute of Organic Chemistry, Biochemistry and Biotechnology, Wroclaw University of Technology, Wyb. St. Wyspianskiego 27, 50-370 Wroclaw, Poland. (20 Dec.,2003 to 20 March, 2004).
- (vi) Selected for Exchange of Scientists Program by Indian National Science Academy to collaborate with Hungarian Academy of Science and work with Prof. Imre Toth & Prof. Joo Ferenc, HAS Research Group at University of Debrecen, Hungary (Oct. to Dec.,2012).

Number of Ph.D. Students Guided:05 Ph.D. guidance under collaboration.

02 Ph.D. guidance under independent supervision.

06 M.Sc. Projects and 06 Seminar's reports guided.

Number of research papers in International refereed journals : 43

Number of research papers / invited lectures in conferences / seminars : 78

Number of books / Practical Manuals written : 03

Worked as Academic Counselor for foundation course in Science & Tech: 06 years

IGNOU Study Centre Itanagar (1987 - 1992)

Research Areas: Coordination Chemistry, Green Chemistry Catalysis, Peroxidase activity, Clean water Technology.

Lectures delivered in National/ International Universities:

- i. "Polymer Expansion and its Future Challenges" RKGEC Philkuwa, Gaziabad, New Delhi. May17, 2013
- ii. "Green Methods in Organic Transformation" RKGEC Philkuwa, Gaziabad, New Delhi. May17, 2013
- iii. "Ergonomics and Safety in Product Design" Department of Agricultural Engineering, NERIST, Nirjuli (A.P.) May 14,2013
- iv. "Advances in Welding Technology" Deptt. of Mechanical Engg., NERIST, Nirjuli (A.P.) May 10-11, 2013
- v. "Recent Trends in Tribology and its Application in Industrial Development" Deptt. of Mechanical Engg., NERIST, Nirjuli (A.P.) April, 10 – 14, 2013
- vi. "Synthetic routes for K - group vitamins and their possible roles in cancer therapy" Department of Inorganic and Analytical Chemistry, **University of Debrecen, Hungary** Dec. 7, 2012
- vii. "The role of promoters in oxidative transformations of alkoxyarenes within green chemistry domain" Department of Chemistry, **Szeged University, Szeged, Hungary.** Nov. 22, 2012
- viii. "One Electron Mediators in Oxidative Transformation of Organic Molecules within Green Chemistry Domain" Department of Chemistry, Chaiduar College Gohpur, Assam. 5 – 6 October, 2007
- ix. "Green Chemistry Methodology in Synthesis of Menadione" Department of Chemistry, Chaiduar College Gohpur, Assam. 21-22 January, 2005
- x. "Amavadin Chemistry in Amanita Muscaria and Future of its Synthetic Molybdenum Analogues" Department of Chemistry, Chaiduar College Gohpur, Assam. 21-22 January, 2005.
- xi. "Modern Trends in Green Chemistry – Synthesis of Menadione (Vitamin-K3)" Department of Organic Chemistry, Biochemistry and Biotechnology, Technical **University Wroclaw, Poland.** 1 March, 2004.
- xii. "Synthesis of Bio-organic Ligands and Their Coordination to Molybdenum" Department of Organic Chemistry, Biochemistry and Biotechnology, Technical **University Wroclaw, Poland.** 1 March, 2004.
- xiii. "The Molybdenum Analogues – A Novel Dimension to Amavadin Chemistry" DDU Gorakhpur University, Gorakhpur (U.P.) Sept. 26-28, 1997
- xiv. "Relevance of Biogas Technology for Socio- Economic Development of Arunachal Pradesh" NERIST, Nirjuli,(A.P.) April 7-9, 1990

EXPERIENCE OF ACADEMIC ADMINISTRATION

- **One of the founder faculty member of NERIST (since 1st July, 1987) and significantly contributed to develop it from a certificate level project under NEC Shillong to a Deemed to be University status under MHRD, GOI, as on date having fully developed Faculty of Science/ Engineering & Technology / Management Studies with UG, PG & Ph. D. programs.**
- **Member of Dean's committee to administer the Institute under crisis, when directors resigned and denied to function.**
- **Director i/c, NERIST (19 April, 2016 to 26 March, 2017).**

- **Dean – Students Affair** (about 07 Years) and **Dean- Administration (03 Yrs)**.
- **Head, Department of Chemistry, NERIST, Nirjuli** (Two terms)
- **Warden** of Students Hostel (one term) and **Coordinator- Recreational & Creative Activities of Students** (One Term).
- **Coordinator** – Institute Academic Affairs (One Term).
- **Coordinators** – Institute Central Research facility (One Term).
- **Chairman – Institute Hostel Management council & Chief Warden** (Two Terms)
- **Director’s Nominee as Chairman**, VMC Kendriya Vidyalaya NERIST , Nirjuli (Two Terms).
- **Chairman** – Central Library Committee, NERIST, Nirjuli (One Term)

Member of distinct committees / Boards

- (i) **Board of UG studies (03 Years) , R. G. U , Rono Hills, Itanagar, Arunachal Pradesh.**
- (ii) **Chairman (on date) and Member of Academic Council, NERIST, Nirjuli (about 18 Years).**
- (iii) **Member of BOM, NERIST, Nirjuli (6 Years).**
- (iv) **MHRD nominated as Member of site inspection committee for establishment of Ghani Khan Central Institute of Engineering and Technology, Malda under GOI.**
- (v) **Members of various selection / Departmental Promotion committees at Institute / Universities level.**
- (vi) **Life Member of Indian Society for Technical Education, New Delhi.**
- (vii) **Founder Honorary Fellow, North East Academy of Science and Technology, Mizoram University, Tanhril, Aizawl.**
- (viii) **Member, BoG, CIT Kokrajhar (present).**
- (ix) **Member of Senate, NIT Hairpur (present).**
- (x) **Member, NITI Ayog, North East Forum (present).**
- (xi) **Director, NERIST, Nirjuli-791109, Arunachal Pradesh, w.e.f. 6th March, 2018.**

Nirjuli-791109 : Dated 25.05.2018

Hardeo
(Hardeo Singh Yadav)