Brief bio-data of Dr. B.L. Ahuja

Dr. B.L. Ahuja
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Residential Address:
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Academic and administrative experience:

i. ***Currently working as Vice-Chancellor, Bodoland University, Kokrajhar, BTR, Assam.***
ii. ***Formerly Emeritus–Scientist (CSIR), Government of India at Mohanlal Sukhadia University (MLSU), Udaipur.***
iii. ***Served as Professor of Physics for 14 years at MLSU, Udaipur (total teaching experience 33 years).***
iv. ***Former Director, Institute of Engineering and Technology, MLSU***
v. ***Former Director, Research, MLSU***
vi. ***Former Chairman, Faculty of Engineering, MLSU***
vii. ***Former Chairman, Faculty of Science, MLSU***
viii. ***Former Dean, PG Studies,MLSU***
ix. ***Former Dean, University College of Science, MLSU***
x. ***Former Head, Department of Physics, MLSU***
xi. ***Former Director, University Computer Centre, MLSU***
xii. ***Former Advisor, International Students***
xiii. ***Former Officiating Vice-Chancellor, MLSU, Udaipur***
xiv. ***Former Associate Dean, ADSW and Programme Officer NSS in University College of Science, MLSU***
xv. ***Former Radiological Safety Officer_DAE, MLSU***
xvi. ***Acted as Member/Chairman of Several Selection Committees and Academic bodies and policy making committees in Universities/Colleges***

Field of Specialization: ***Condensed Matter Physics, Photovoltaics, Radiation Physics, Magnetism, Band structure calculations, Compton scattering, DFT calculations, etc.***

Research and International Experience:

i. ***Post-Doctoral Research (BOYSCAST Fellowship, 1992-93, DST, New Delhi) at:***
   a. ***University of Warwick, U.K. – Developed instrumentation for synchrotron radiation.***
   b. ***Paris University, France and SPring-8, Japan – Research in high-resolution and magnetic Compton spectroscopy (multiple visits).***
ii. ***<u>Pioneering Contributions:</u>***
   a. ***First Indian Scientist to develop 20 Ci Cs(137) Compton spectrometer for***

Research work.

b. ***First ever Scientist to developed the shortest geometry 100 mCi Am(241) Compton spectrometer for Research in Compton spectroscopy***
c. ***First Indian Scientist to work on high-resolution Compton spectrometer and undertake magnetic Compton profile measurements.***
d. ***Established γ-ray environmental setup and band structure laboratory.***

National Committee Memberships (GOI):

i. ***Member, Programme Advisory Committee (PAC), NSTMIS, DST-New Delhi.***
ii. ***Member, WOS-A Expert Committee, DST, New Delhi – Research Grant for Women Scientists.***
iii. ***Member, DST-Young Scientist Committee (Physical & Mathematical Sciences).***
iv. ***Member and office bearer of several Scientific Societies and Vigyan Bharati***

Academic Collaborations & Research Supervision:

i. ***International Collaborations: 17***
ii. ***National Collaborations: 17***
iii. ***PhD Supervised: 35***
    a. ***32 in Physics (3 from Rajasthan University, Jaipur)***
    b. ***2 in Computer Science***
    c. ***1 in Electrical Engineering (MNIT, Jaipur)***
iv. ***Major R&D Projects Executed: 21 (Funded by DST, SERB, CSIR, UGC, AICTE, UGC-DAE-CSR, BRNS, RUSA-2, DRDO, etc.).***
v. ***Coordinator DST-FIST (level-2), UGC-SAP at MLSU***
vi. ***Key Note/Invited Speaker/Inaugurator of many national/international conferences/symposia/work shops***

Publications & Research Impact:

i. ***Research Papers: 193 in reputed international peer-reviewed journals (Highest Impact Factor: 24.31, Average Impact Factor: ~3).***
ii. ***Conference Proceedings: About 212 publications.***
iii. ***Books Authored: 3***
iv. ***Scopus Citations: 2392, h-index: 23.***
v. ***Reviewer for International Journals: Nature, Wiley Journals, PRB, PRL, APL, IOP, Elsevier, Springer journals, etc.***
vi. ***Associated with many Scientific Societies***

Honours/Awards

i. ***International Scientists (National level Award), conferred by Late Sundar Singh Bhandari Trust, Rajasthan***
ii. ***DST-BOYSCAST Fellow, GOI***
iii. ***Chartered Physicist, Institute of Physics, London***