

CURRICULUM VITAE

- Name** : **DR. MAHANTA KUMAR KALITA**
- Last position held** : Registrar, Institute of Advanced Study in Science & Technology (IASST), Paschim Boragaon, Guwahati – 781035, Retired on 31st December, 2003.
- Address for Communication** : H. No. 112, Padum Path, Saurav Nagar, Beltola, Guwahati - 781028.
- Date of Birth** : 1st January, 1944
- Academic Qualification** : (i) Ph.D in Plasma Physics (Theoretical) (1982. Gauhati University).
(ii) M.Sc. in Physics (1969, Gauhati University).
- Teaching Experience** : Lecturer in Physics in Nalbari College under Gauhati University.
- Research experience** : (i) Did research in Theoretical Plasma Physics for 4 years from December, 1977 to November, 1981 as UGC Teacher Fellow and awarded Ph. D by the Gauhati University in 1982.
(ii) Worked as Research Scientist in the Institute of Advanced Study in Science & Technology (IASST) Guwahati for $3\frac{1}{2}$ years from February, 1984 to August, 1987.
(iii) Continued to pursue research in plasma Physics till 1996.
(iv) Published as many as 20 research papers in journals of National/International repute.
- Research guidance** : Recognized as Research Guide by the Gauhati University and successfully guided 2 (two) researchers to obtain Ph.D degree from Gauhati University in 1990 and 1996.
- Recognition for research work:** Nominated Expert Reviewer for the International Journals: *The Journals of Plasma Physics (UK)* and *Physics of Plasma (USA)*.
Named in the *Directory of Physicists of Developing Countries*, published by the International Centre for Theoretical Physics, Trieste, Italy.
- Administrative experience** : Held the following administrative positions at the Institute of Advanced Study in Science & Technology (IASST),

Guwahati for 16 years and retired on 31st December, 2003 as its Registrar.

Administrative officer: 1st September, 1987 to 5th May, 2000.

Registrar: 6th May, 2000 to 31st December, 2003.

Additional charge:

Secretary In-charge: 1st May, 1992 to 22nd March, 1997.

Director In-charge: 1st August to 31st December, 2001.

Contribution towards the growth & development of IASST:

I had been with the IASST since February, 1984 till my retirement on 31st December, 2003 –

- (i) as a Research Scientist from February, 1984 to August 1987.
- (ii) In the administrative capacities as aforementioned from September, 1987 till December, 2003. For most part of my 16-years administrative tenure in the Institute from September, 1987 to December, 2003, I had been the only person shouldering full time responsibility in the administration of the Institute, since the Director of the Institute had been Honorary part-timer till 1996, and the post of Secretary (later redesigned as Registrar) had also been manned on part-time basis. As such during all these 16 years, I had to play the key role in administration and management of the institute, including its growth and development, right from scratch to its present state with a 50 strong scientific manpower engaged in 5 separate research divisions started and sustained through projects sponsored by various agencies of State and Central Governments. I have been instrumental in planning and formulating such projects and also liaising with the sponsoring agencies to get them approved as well their implementation and management. I have also been instrumental in obtained a 20-acre plot of land from State Government in 1993 as permanent site for IASST, as well as in obtaining a Rupees 9.55 Crore grant from the Central Government in 1999 for upgradation of IASST, including 6.50 crore from

building its own premises at its permanent site, which has since been completed and occupied. Lastly, a prize fruit of our sustained labour has been a World Bank Funded project on “Environmental Problems in Tea Gardens” awarded to the IASST through the Central Government Ministry of Environment and Forests in 2002.

Other organizational activities : Was the General Secretary of the Assam Science Society, one of the leading scientific academics of the country for two years (1985-87).

Acted as the Working President of the Assam Science Society for two years (1994-96).

Publication on popular science : Published a good number of articles on Science & Technology in popular journals like Vigyan Jeuti published by Assam Science Society, as well as in newspapers.

Authored four popular books on science & scientists in Assamese

- Bigyanir Bichitra Jivani (Life sketch of ten world famous scientists)
- Bhavishyadrastra Kalam (Its English version KALAM THE VISIONARY has also been published by Assam Book Pvt. Ltd. New Delhi)
- Mahaviswar Bhiton sorat (Inside the Universe)
- Paribeshar Abanati aru Eyar Rakhanabekhan (Environmental degradation and its conservation)
- Introduction to Environmental Studies (A test book on environmental Science for degree students)

Country visited : Italy, Singapore and Malaysia

Experience in handling Scientific/Technical needs of developing regions:

A wide successful experience in organizing Academic/Scientific and Technical activity in North-Eastern India. Has been responsible for recognizing specific needs of various regions of NE India in the field of High Tech, Environment, Bio-technology,

Agriculture & Social Upliftment via mass communication. This experience has helped me to understand the Social/Academic/Scientific/Technical needs of a developing society. My work has been very much appreciated at various govt. levels both by technocrats, academicians and scientists.

I have thus developed a very good competence in handling problems related to above mentioned topics in a developing region. With the wide experience, I am confident of taking up assignments similar to those mentioned above and help developing regions of other parts of the globe.

- Seminar/Conference attended** :
- (a) Attend the "All India Plasma Science Symposium" held in 1981 at IIT, New Delhi.
 - (b) Workshop in Physics of communication held at Trieste, Italy from 14th November to 2nd December, 1983.
 - (c) National seminar on "Popularisation of Science" held at Trivandrum on November, 1985.
 - (d) Seminar on "Indian Scientific Community" held at IISc, Bangalore in February, 1985.
 - (e) Seminar on "Science for the Development of Society: Role of Voluntary Agencies" held at Agartala in April, 1986.
 - (f) Participated at the National Seminar on Environmental Pollution, Control and Monitoring organized by CSIO, Chandigarh during 21-23 October, 1986.
 - (g) 8th National Symposium on Plasma Science & Technology held at Allahabad in October, 1993.