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**CIRRICULUM VITAE OF PROFESSOR A. CHAKRABARTI**

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1. Name : ALOKNATH CHAKRABARTI
2. Sex : Male
3. Nationality : Indian
4. Father's name : Sri. Anil Baran Chakrabarti
5. Date of Birth : 7th August, 1943
6. Address : Department of Mathematics,  
Indian Institute of Science,  
Bangalore-560012, India  
e-mail Address: [alok@math.iisc.ernet.in](mailto:alok@math.iisc.ernet.in)  
Tel.Nos: (1) 91-80-23374526 (India ), (2) 91-09448479922 ( Mobile),(India ).
7. Present position : NASI Senior Scientist Platinum Jubilee  
Fellow, Department of Mathematics,  
Indian Institute of Science,  
Bangalore-560012, India.
8. Academic Qualifications: (i) M.Sc.(Applied  
Mathematics), 1965 from  
Calcutta University, India,  
1st Class 1st (Gold Medallist)  
(ii) Ph. D. (Applied Mathematics),  
1970 from Calcutta University,  
India, based on the thesis entitled  
: "Integral transform and Function-  
Theoretic Methods applied to  
Elasticity and Allied Subjects"

## 9. Publications

- : (i) Published 154 papers in refereed journals and proceedings of Conferences.
- (ii) Published FOUR books entitled:
  - (a) "Elements of Ordinary differential Equations and Special Functions", Published by Wiley Eastern Pvt. Ltd. 1991 (First Edition); New Age International(P) Ltd. 1996. (Second Edition).

- (b) "Water Wave Scattering by Barriers " (with B.N. Mandal)- WIT Press, Southampton, Boston (2000).
- (c) " A First Course in Linear Algebra ", Published by Vijay Nicole Imprints Pvt. Ltd., Chennai, 2006.
- (d) " Applied Integral Equations ", Published by McGraw–Hill Education (India ) Pvt. Ltd ., 2008.

## 10. Research Experience

- : Carried out research in the following areas:
  - (i) Integral Transforms,
  - (ii) Integral Equations,
  - (iii) Elasticity,
  - (iv) Fluid Mechanics,
  - (v) Diffraction and Scattering Theory,
  - (vi) The Wiener-Hopf Technique,
  - (vii) Numerical Analysis.

11. Teaching Experience : Taught Mathematics to both undergraduate and Post-graduate students of Engineering since 1968, as:
- (i) Lecturer in Mathematics, at the Bengal Engineering College, Howrah-3, West Bengal, INDIA, (1967-1968);
  - (ii) Senior Research Assistant (1968-71),
  - (iii) Lecturer (71-77);
  - (iv) Assistant Professor (77-82),
  - (v) Associate Professor (82-88),
  - (vi) Professor (88-2006), at the Department of Mathematics, Indian Institute of Science, Bangalore - 560 012 , INDIA.
12. Research Supervision Supervised the Ph.D. thesis work of 11 students at the Indian Institute of Science directly and 7 students in other indirect manners.
13. Visits Abroad : (i) Visited U. K., during 1974-75, as a British Council Common Wealth Academic Staff Fellow and worked with Professor D. S. Jones, of the Department of Mathematics (then), The University, Dundee-DD1 4HN, Scotland, U.K.
- (ii) Visited U. K. during 1979-80, as a Leverhulme visiting Fellow and Worked with Professor W. E. Williams and Professor R. Shail, of the Department of Mathematics, University of Surrey, Guildford GU2 5XH, England.

(iii) Visited U. K. during June 1999- August 1999, as an INSA-ROYAL-SOCIETY (LONDON) - Visting Professor at the University of Westminster, LONDON, U.K.

(iv) Visited U. S. A. during September 1999- June 2000 and September 2002 to December 2003, as a Visiting Professor at the New Jersey Institute of Technology, (NJIT), U.S.A.

(v) Visited The Department of Mechanical Engineering, University of Hong Kong, Pokfulam Road, Hong Kong, as a visiting professor, for the period: 7<sup>th</sup> August, 2006 to 7<sup>th</sup> February, 2007.

14. Honours and Distinctions received

: (a) Elected as a Fellow of the Institute of Mathematics and its Applications , U.K. And as a Chartered Mathematician of U.K., in 2001 ( FIMA and C. Math )

(b) Elected as a Fellow of the National Academy of Sciences, India ,in 2000.

(c) Awarded with “ Fellow of Wessex Institute of Great Britain”, in 2004. (FWIGB).

(d) Selected by the University Grants Commission, India, as a National Lecturer in Mathematics, during 1979-80.

15. Others

: (i) Reviewer of Mathematical Reviews;  
(ii) Delivered number of Lectures on the areas of research at various academic institutions in India and Abroad.iii) Was a UGC Emeritus Fellow, in Mathematics Dept., IISc, Bangalore, during 2007–2009

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