

CURRICULUM VITAE

Dr. N. M. Bujurke *M.Sc., Ph.D., FNASc. FNA.*

Professor

Department of Mathematics

Karnatak University, Dharwad - 580003. India



Elected Fellow of the National Academy of Sciences, India. Year 2000.

Elected Fellow of National Academy (FNA), India. Year 2003.

Educational Qualifications:

1. Doctorate in Philosophy (Ph.D.)

Topic: Fluid Dynamics.

Institution: Karnatak University, Dharwad.

Year: 1976.

2. Master of Science. (M.Sc.,)

Subject: Mathematics.

Institution: Karnatak University, Dharwad.

Year: 1968.

Class Obtained: I Class with Distinction. (2nd Rank to the University)

3. Higher Secondary School. (H.Sc.)

Institution: Bangalore Board, Bangalore.

Year: 1963.

Class Obtained: I Class. (2nd Rank to the Board)

Professional/ Teaching /Research / Employment History:

1. Professor

Karnatak University, Dharwad.

May 1994 Onwards.

2. Reader

Karnatak University, Dharwad.

Jul. 1983 – May. 1994.

3. S.S.0/Lecturer
I.I.T. Delhi (on lien from K.U.D.) Lecturer
Jul. 1978 to Jun. 1981.
4. Lecturer;
Karnatak University, Dharwad.
Nov. 1972 – Jul. 1983.
5. Research Assistant:
Karnatak University, Dharwad.
Nov. 1970 – Nov. 1972.
6. Lecturer
S. B. Science College, Gulbarga.
Period: Jun. 1968 – Nov. 1970.

Additional Experience:

- (i) Commonwealth Academic Staff; Fellow: DAMTP (Dept. of Applied Mathematics and Theoretical Physics) University of Cambridge, Sept. 1985 to Oct. 1986.
- (ii) Sr. Visitor DAMTP, University of Cambridge, Oct. 1989 to Jan. 1990. Under INSA (Royal Society Fellowship)
- (iii) Sr. Visitor DAMTP, University of Cambridge, Jan. 1998 to May 1998. (Under INSA (Royal Society Fellowship) Collaborating with Prof. T. J. Pedley, FRS, G. I. Taylor Professor and Head, DAMTP Univ. of Cambridge for working on Channel / tube Flows in Constriction/ dilation
- (iv) Chairman, Department of Mathematics, K. U., Dharwad: 1993-1995
- (v) Chairman, B.O.S. in Computer Science since 1993
- (vi) Chairman, B.O.S. in Mathematics since 1998
- (v) IIC Chairman, M. C. A. and P.G.D.C.A. Courses, K.U. Dharwad
- (vi) Member, B.O.S. in Math, Gulbarga University 1992-98
- (vii) Member, B.O.S. in Math Mangalore University 1997 onwards.

Membership of Professional Bodies:

- (i) Life member: Ramanujan Mathematical Society
- (ii) Life member: Indian Society for Theoretical and Applied Mechanics. (ISTAM)
- (iii) Executive Committee Member ISTAM (1989-92)

Experience as a Research Guide:

- (i) Eight students have got Ph. D. degree.
- (ii) Nine students have got M. Phil degree.

Research Projects:

1. Completed a Major Research Project on *Lubrication (Fluid Dynamics)* funded by University Grants Commission, India. (1986-91) (Project Cost: INR. 3 Lakhs)
2. Completed a Major Research Project on *Computer Applications* funded by All India Council for Technical Education, India (1994-96) (Project Cost: INR. 10 Lakhs)
3. Completed a Major Research Project on *Theoretical Studies in Fluid Film Lubrication (Fluid Dynamics)* funded by University Grants Commission, India (1993-98) (Project Cost INR. 1 Lakh)
4. Completed a Major Research Project on *Flows Through Pipes and Channels of Variable Cross Section* funded by D. S. T New Delhi (Jointly with Prof. (Mrs.) G. Jayaraman, Indian Institute of Technology, New Delhi from 19th Sept. 1995 (Project Cost INR.10 Lakhs)
5. Completed a Major Research Project on *Computational Methods and Applications in Fluid Dynamics, Computer Graphics and Image Processing* funded by AICTE, New Delhi (1997 –2000) (Project Cost INR. 7 Lakhs)
6. Completed a comprehensive Research Project on *Flows in Constriction and Dilation* in Collaboration with Prof. T. J. Pedley FRS, G. I. Taylor Professor and Head, DAMTP Univ. of Cambridge U.K. (1996)

Major Research Projects in Operation:

1. Working in Collaboration with Prof. T.J. Pedley on *Self excited oscillations and Interactive boundary layer theory.*

Research Publications / Books / Review articles:

In all 45 Research Publications in prestigious Journals of National and International Reputations are published. These do not include articles in proceedings of Seminars/Symposium/Conferences. These include Journals like, Phil, Trans, Roy Society, IMA Journal of Applied Math. (Oxford University), ZAMP, ZAMM (Springer), Applied. Science Research (Academic Press), Fluid Dynamics Research, WEAR etc., also edited Proceedings of National Seminar on Recent Developments in Mathematics, 1996. Authored four books on *Mathematical Modelling* for IGNOU as text books 1998. Reviewed three articles.

Reviewer and referee for the International Journals:

- (i) Journal of Fluid Mechanics. (Cambridge Univ. Press U.K).
- (ii) Trans. ASME Journal of Lubrication Technology. (USA).
- (iii) Trans. ASME Journal of Applied. Mechanics. (USA).
- (iv) Journal of Math. and Applications. (IIT Madras).
- (v) Pranama, I.I.Sc. Bangalore.
- (vi) Journal Karnatak University (Science) Dharwad.