

Prof S Venkatraman, M. Sc

Designation: I/C Principal, Head, Department of Physics

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Educational Qualification:

- 1980 B.Sc. Physics, Mumbai University, 3rd rank in Mumbai University.
- 1982 M.Sc. Physics –. Mumbai University, 3rd rank in Mumbai University

Official Positions

- Presently working as **I/C Principal and Head of the Department of Physics**
- Member of Local managing committee, B. N. Bandodkar College of Science.
- Research Guide for M. Sc. Physics by Papers
- Board of studies member of the St Xaviers College, (Autonomous), Mumbai (2017-2019)
- Member of Syllabus Committee (B.Sc and M.sc Physics) from 2015-2018, University of Mumbai
- Chairman of TYBSc Exam for from 2015-2018, University of Mumbai
- Chairman of MSc Exam for from 2016-2018, University of Mumbai

Work Experience:

37years (in the same college)

Working as Head of Physics Department ,

Worked as Vice Principal of VPM's B.N.Bandodkar college,

Working as I/C Principal from 1st August 2019

Research Experience: 08years.

Minor Research Projects completed 01

Research papers published : 06

Conference attended 05

Research Experience at international level:

1. Worked as Research Associate in Marigold Hosts Co Ltd, a subsidiary of Hitachi Heavy Engineering Co Ltd, Tokyo, Japan from June 1997 to May 2000.

Research projects completed

1. Minor Research Project :

- a) Study of Magnetic and Magnetostrictive properties in the alloys of RF_2 Compounds , University of Mumbai

List of Research Publications

1. Anodic Polarization Behaviour of Ion Implanted Aluminium in 3.5 wt. % NaCl Electrolyte. Nuclear Instruments and Methods in Physics Research B19/20 (1987) 241-246.
S.Venkatraman, M.R.Nair, D.C.Kothari and K.B.Lal.
2. Pitting and EPR Studies of Ion Implanted Plain and Sensitized 304 Stainless Steel. Nuclear Instruments and Methods in Physics Research B34 (1988) 53-61.
M.R.Nair, S.Venkatraman, D.C.Kothari and K.B.Lal.
3. CEMS of Nitrogen Implanted Steel. Proc. of Nuclear and Solid State Physics Vol. 29C (1986) page 204.
M.R.Nair, S.Venkatraman, s.c.Bhargava, K.B.Lal and Y.D.Dande.
4. XPS Depth Profiles of Titanium Implantations on Aluminium at Various Doses. Accepted in Nuclear Instruments and Methods in Physics Research. (Feb, 1991).
S.Venkatraman, M.R.Nair and K.B.Lal.
5. XPS and Microhardness Studies of Nitrogen and Titanium Implanted 304 Stainless Steel. Accepted in Nuclear Instruments and Methods in Physics Research.
M.R.Nair, S.Venkatraman, and K.B.Lal. (Feb, 1991)
6. ESCA and Microhardness Studies of N^+_2 Implanted Sensitized 304 Stainless Steel at Various Temperatures. Accepted in Nuclear Instruments and Methods in Physics Research.
S.Venkatraman, M.R.Nair and K.B.Lal. (Feb, 1991)

Participation in International Conference and Refresher Courses

1. Attended International Conference on IBMM in Catania, Italy from June 5-9, 1986.
2. Attended Nuclear and Solid State Physics Symposium conducted by the Department of Atomic Energy, Govt. of India and BARC Bombay, at G.B. Pant nagar University, Pant Nagar, U.P. State. From 21st Dec. 1986 to 24th Dec 1986.
3. Attended an International Conference on "Ion Beam Modifications of Materials-IBMM 1990" sponsored by Oak Ridge National Laboratory, Oak Ridge, Tennessee, USA at Knoxville, Tennessee, USA from 9th Sept, 1990 to 14th Sept 1990.
4. Attended the 4th Refresher Course in Physics conducted by the Department of Physics, University of Poona, Under the auspices of Academic Staff College, University of Poona, from 12th Nov 1990 to 8th Dec 1990.
5. Attended the Refresher course in Quantum Mechanics from 30th Dec 1991 to 18th Jan 1992, conducted by Department of Physics, University of Rajasthan, Jaipur, under the auspices of Academic staff college, Rajasthan University, Jaipur.