



SRTCT'S
**SUMAN RAMESH TULSIANI TECHNICAL CAMPUS – FACULTY OF ENGINEERING,
KHAMSHET**

An ISO 9001:2015 Certified Institute

NAAC Accredited Institute

FACULTY PROFILE



Dr.B.A.Kamalapurkar

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Designation: Assistant Professor

Educational Qualification: Ph.D (Science- Physics)

Experience in Years: 7 Years

Research Area: Solid state Physics, Condensed matter Physics Semiconductor Physics

Professional Memberships:

Society	Membership No.
Life Member, The Indian Society for Technical Education	LM 116249

Subject Taught: Engineering Physics, Basic science Physics, Applied Science Physics and Physics (XI & XII)

Professional Development

Workshop/ Seminar/ STTP/FDP Attended:

- Solid State Physics Symposium, Department of Atomic Energy, December, 27-31, 1996, BARC Trombay, Mumbai, India.
- Solid State Physics Symposium, Department of Atomic Energy, December, 27- 31, 1998, Kurukshetra University, Kurukshetra, India.

- Solid State Physics Symposium, Department of Atomic Energy, December, 26-30, 2001, BARC Trombay, Mumbai, India.
- National Level Conference on “Accelerator Based Research in Basic and Applied Science” February 25-27 2001, Nuclear Science Centre New Delhi, India.
- Twentieth International Conference on Atomic Collisions in Solids, January 19-24, 2003 Puri Orissa, India.
- Workshop on Nano-Technology and Ion Beams, March 21-22 2005, Mumbai University, Mumbai, India.
- Workshop on Educational research, 04/01/2014, Genba Sopanrao Moze Adhyapak Mahavidyalaya (B.ED), Pune India.
- Workshop on Models of teaching, 05/01/2014, Genba Sopanrao Moze Adhyapak Mahavidyalaya (B.ED), Pune India
- Three days “ National Teachers Congress”, 23-25 September 2016, MIT –SOG School of Government,Pune.
- Training Programme on “Sexual harassment of women at work place “(ICC), St. Mira’s women’s college, Bund Garden, Pune.
- Faculty Development Programme “Work Life Balance”, 28 September 2015, Suman Ramesh Tulsiani Technical Campus, Khamshet-Pune.
- ‘Induction Training Workshop” 8-10 Dec 2016 Suman Ramesh Tulsiani Technical Campus, Khamshet-Pune.
- Workshop on “Business Communication & E mail etiquettes” Suman Ramesh Tulsiani Technical Campus, Khamshet-Pune.
- One day “orientation program of I-scheme implementation”, MIT –SOG School of Government, Pune.
- “Faculty Induction Program TEQIP-III” organized by NPIU sponsored 27 November- 2 to December 2017, College of Engineering Pune.
- One day workshop on “Internet of Things” BCUD sponsored , Suman Ramesh Tulsiani Technical Campus Khamshet-Pune
- One day workshop on Co-Po attainment Suman Ramesh Tulsiani Technical Campus Khamshet-Pune
- Faculty Development Program for Student Induction 26-28 June,2018 at Christ Institute of Management, Pune organized by All India Council for Technical Education,New Delhi.
- National level Conference on “Advanced Materials Synthesis, Characterization and Applications”, 14-15 December 2018 , Department of Physics, Savitribai Phule Pune University Pune.

Research Contribution

- Characterization of tellurium implanted InSb crystal; Bhagyashree V. Rao, A.D. Yadav, S.K. Dubey, G.K. Gupta, D.B. Gadkari, A.P. Shah and B.M. Arora, Solid state Phys (India) 40C (1997) 462.
- Formation of P-N Junction in InSb by ion-implantation; Bhagyashree V. Rao, A.D. Yadav, S.K. Dubey, G.K. Gupta, D.B. Gadkari. Solid state Physics (India) 41 (1998) 510.
- Electrical characteristics of Low energy tellurium implanted indium antimonide; A.D. Yadav, Bhagyashree V. Rao, S.K. Dubey and B.D. Gadkari; Material Science and engineering B-84 (2001) 176.
- Optical and Electrical Studies of High Energy ^{56}Fe irradiated Silicon; S.K. Dubey, A.D. Yadav, Bhagyashree V. Rao, K.G. Bhole, S.K. Arora and D. Kanjilal, Conference on “Accelerator Based Research in Basic and Applied Science” February 25-27 2001, Nuclear Science Centre, New Delhi, India.
- Optical study of $\text{In}_x\text{Ga}_{1-x}\text{Sb}$ ternary single crystals grown by Vertical directional Solidification technique: T.K. Achal P. Shashidharan, S.K. Dubey and Bhagyashree V. Rao; Solid state Physics (India) 44 (2001) 535.
- High Resolution XRD study of 70 MeV Fe implanted silicon ; Bhagyashree V. Rao, S.K. Dubey, A.D. Yadav, K.G. Bhole, K.S. Chandrashekharan, S.K. Arora and D. Kanjilal, . Solid state Physics (India) 44 (2001) 549.
- Investigation of 70 MeV iron irradiation induced defects in c-silicon; Bhagyashree A.K, S.K. Dubey, A.D. Yadav, K.G. Bhole, K.S. Chandrashekharan, Tanuja Mohanti and D. Kanjilal, Nuclear Instruments and Methods in physics research B 211 (2003) 383.
- High Energy ion implantation of iron in silicon; Bhagyashree A.K, S.K. Dubey, A.D. Yadav, K.G. Bhole, K.S. Chandrashekharan, Tanuja Mohanti and D. Kanjilal, Nuclear Instruments and Methods in physics research B 211 (2003) 383.
- Effect of the swift high energy iron ions in the crystalline silicon, S.K. Dubey, A.D. Yadav, Bhagyashree A.K, K.G. Bhole, N. Kachhap, R.L. Dubey and V. Jadhav workshop on “Nano technology and ion beams” 2005, 33.
- Studies of defects and annealing behaviour of silicon irradiated with 70 MeV ^{56}Fe ions; S.K. Dubey, A.D. Yadav, Bhagyashree A.K, M.K. Gokhale, Tanuja Mohanti and D. Kanjilal, Indo German Workshop-2005, Published in Nuclear Instruments and Methods in Physics Research B.
- Study of defects and annealing behavior of silicon irradiated with 70 MeV ^{56}Fe Ions Nuclear Instruments and Methods in physics research B 244 (2006) 157.