



Name : DR SANJAY SITARAM PATIL, M.Sc.(Physics), Ph.D.(Physics)

Date of Birth : 1/03/1968

Category : OPEN Martial Status : Married

Date of Joining at Mumbai University, Mumbai : 20/04/1996

Designation : Technical Assistant

Date of Joining at K.M.Agrawal College, Kalyan : 29/10/2010

**Designation : Assistant Professor (From 29/10/2010 to 25th July, 2023);
Associate Professor (From 26th July, 2023)**

Research Publications :

1. Corrosion and oxidation resistance study of reactive ion beam mixed 316 SS

S.S.Patil, R.P.Fernandes, D.C.Kothari, P.A.Rayjada, P.M.Raole,
Surface and Coatings Technology Vol 201, Issues 19–20, 5 Aug, 2007, Pages 8258-8262

2. Corrosion resistance study of argon implanted and ion-beam-mixed 316 SS

S.S.Patil^aR.P.Fernandes^aN.K.Patel^aP.A.Rayjada^bP.M.Raole^bD.C.Kothari^a,
Surface and Coatings Technology Volume 196, Issues 1–3, 22 June 2005,
Pages 284-287

3. " Study of PDLC and PDCLC Mixtures Using Various Techniques"

Anita Kanwar, Gupta Sureshchandra J., Sanjay Patil, Gowher B.Vakil, Journal of Optics, 37(2008)9-15.

4. " Ag Nanoparticles Embedded Soda glass prepared using ion exchange" Maya

S. Sable, Ranjana C. Gupta, S.S.Patil, V.R.Ajgaonkar and D.C.Kothari,
Proceedings of the DAE Solid State Physics, Symposium 52(2007)381.

5. INTERCALATIVE NANO_COMPOSITES POLY(ETHYLENE OXIDE)/Cu
FOR LPG SENSING APPLICATIONS, P.S.MORE, S.S.PATIL, S.S.BORWAR,
Digest Journal of Nanomaterials and Biostructures, Vol.5, No.1, March 2010 p
107-111.

6. Study of Different Ion Beam interactions with Aluminium as a target Material,
S. S. Patil, Journal of Education: Rabindra Bharathi University,

Vol XXIII 12, 2022, ISSN 0972 – 7175

7. Study of the global warming in connection with reduced mass of the earth. S. S.
Patil, Journal of Education: Rabindra Bharathi University, Vol XXIII 12, 2022,
ISSN 0972 – 7175.

8. Study of 10KeV to 60KeV energetic ions of Titanium (Ti) interacts with Iron as
target material using SRIM Software. S.S.Patil, Journal of Education: Rabindra
Bharathi University, Vol XXIII 12, 2022, ISSN 0972 – 7175.

9. Study of SRIM Software based Simulated 5KeV to 30KeV energy Chromium
ion implantation for surface modifications of Iron. S.S.Patil, Journal of Education:
Rabindra Bharathi University, Vol XXIII 12, 2022, ISSN 0972 – 7175.

10. " Role of ICT in Physics Education" presented at one day multidisciplinary
National Conference on “ Emerging Trends & Challenges in commerce,
Management & Information Technology, 17th February, 2018 ; K.M.Agrawal
College of Arts, Commerce & Science, Kalyan(W)

11. "Correlation between Biotic phenomena with Physical concepts and study of its
yield" S.S.Patil, Proceedings National Seminar on Recent Trends in Science &
Technology for Sustainable Developments – 2018 ; Institute of
Science, Mumbai; 22&23, March, 2018.

Seminars/Conferences/ Workshops attended:

- 1) Sixth School on the Physics of Beams held at BARC, Mumbai.
- 2) Workshop on Nanotechnology and Ion Beams held at department of Physics, University of Mumbai in March, 2005.
- International Conference on Liquid Crystals held in Mumbai (INDIA) at University of Mumbai in December,2006.
- 4) International Conference on Surface Modification of Materials by Ion beams held in Mumbai, at TIFR, in October,2007.
- 5) Seven days hands on training Course on Analytical Instruments held at Institute of Science, Madam Cama Road, Mumbai (29th October - 4th November,2012)
- 6)National Seminar on Recent Trends in Science & Technology for Sustainable Developments – 2018 ; Institute of Science, Mumbai; 22&23, March,2018
- " Role of ICT in Physics Education" One day multidisciplinary National Conference on “ Emerging Trends & Challenges in commerce, Management & Information Technology,17th February,2018 ;K.M.Agrawal College of Arts, Commerce & Science,Kalyan(W)

Refresher/Orientation Courses Attended :

- i) Refresher Course in Statistical Mechanics completed from 6-19, November, 2013 at Department of Physics, University of Mumbai, Kalina,Santacruz(E), Mumbai-98
- ii) 104th Orientation Course Completed from 1-28, July, 2014 at Academic Staff College, Dr.Babasaheb Ambedkar Marathwada University, Aurangabad
- iii) Refresher Course in Experimental Physics Organized at Department of Physics, Goa University; 10 – 25 May,2017
- Refresher Course “ Re – defining Ethics in the era of digitization :From theory to Practice.” Two Weeks (22/03/2022 – 05/04/2022). Teaching Learning Centre, Ramanujan College, University of Delhi under PMMMNMTT.
-)Refresher Course at Mulund College of Commerce, Mumbai from 30/05/2019 to 13/06/2019 funded by UGC –HRDC, Mumbai University, Mumbai
- vi)IQAC organized one day workshop on an Insight to New NAAC guidelines, K.M.Agrawal College of Arts, Commerce & Science,Kalyan(W); 2nd February,2018
- vii)IQAC organized one day workshop on a “ Learning Management System – MOODLE”29th April,2017
- viii)ADVANCE SHAIKSHANIK VIDEO NIRMITI KARYASHALA FOR TEACHERS held at Lala Lajapatray College of Commerce & Economics,Mhalaxmi, Mumbai for 18th - 19th May,2018.

Recognitions :

1. PG teaching recognition given by University of Mumbai
2. Ph.D. Guide recognition given by University of Mumbai
- Examiner for T.Y.B.Sc.(Physics) Practical Examination