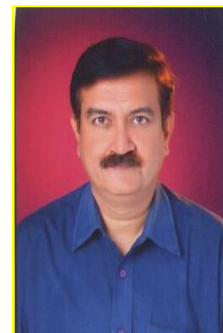


ShriShivajiCollege of Arts, Commerce and Science, Akola

Faculty Profile

1. Name : Sanjay Madhukarrao Palhade
2. Address (residential) : Savali Apartment, TapdiaNgr.
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3. Phone No. / Cell No. : 9890533595
4. E-mail address : sanjay.palhade@rediffmail.com
shrismpalhade@shivajiakola.org
5. Designation : Assistant professor
6. Department : Physics
7. Date of birth : 25th October 1964
8. Area of specialization : Digital Electronics & Solid State Physics



9. Academic qualification :

| Examination passed | Board/ University | Subject/ Specialization | Year of passing | Division/ Grade/ Merit |
|----------------------|--------------------------|---------------------------|-----------------|------------------------|
| Bachelor's Degree | Nagpur | Maths, Physics, Chemistry | 1984 | First |
| Master's Degree | Nagpur | Physics | 1987 | Second |
| NET SET | CSIR, Delhi PuneUniv. | Physical Sciences | 2002 2002 | Qualified Qualified |
| Ph.D. | Amravati | FDTD Modelling | 2015 | Thesis Submitted |
| Other Degree/Diploma | | | | |

10. Membership of Academic Organizations :

- i) Institution of Electrical and Electronics Engineers (IEEE) USA
- ii) American Physical Society (APS) USA
- iii) Society for Promotion of Excellence in Electronics Education (SPEED), University of Pune, Pune

11. Research Experience :

- a. Guiding M. Sc. Dissertations – 07
- b. Publishing research papers. (Give the complete list)

- i) "Fortran in physics laboratory" State Level Seminar on Recent Trends in Teaching Basic and Applied Sciences, 03 January, 2009, Phulsing Naik Mahavidyalaya, Pusad (Yavatmal).
- ii) "Inexpensive laser wavelength determination kit" State Level Seminar on Recent Trends in Teaching Basic and Applied Sciences, 03 January, 2009, Phulsing Naik Mahavidyalaya, Pusad (Yavatmal).
- iii) "Improving laboratory instructions" State Level Seminar on Recent Trends in Teaching Basic and Applied Sciences, 03 January, 2009, Phulsing Naik Mahavidyalaya, Pusad (Yavatmal).
- iv) "Nanotechnology and Indian agriculture" National Seminar on Photonic Materials and Nanotechnology, 23 January-24 January, 2009, Department of Physics, Electronics and Photonics, Rajarshi Shahu Mahavidyalaya, Latur.
- v) "Biometric supported ATM banking" National Seminar on Information Technology Enabled Services-2009, 11 April, 2009, Shri Shivaji College of Arts, Commerce And Science, Akola
- vi) "Effects of idol immersion on some water quality parameters of Morna river", National Level Seminar on Water, Energy, Environment & Society, 30 January, 2010, Phulsing Naik Mahavidyalaya, Pusad (Yavatmal)
- vii) "Study of physical properties of lead borate glasses" National Seminar on current Trends in Physical Sciences & Electronics Research, 28 March, 2010, Shri Shivaji College of Arts, Commerce & Science, Akola.
- viii) "Microstrip patch antenna for 1900 MHz band" National Conference on "Recent Initiatives towards Green Electronics", 8 Feb - 9 Feb, 2013 Brijlal Biyani Science College, Amravati

12. Seminars/ Conferences/ Orientation/Refresher Courses attended and organised

| Sr. No | Name of the Conf./Seminar/ Workshop etc | Place and Name of the Sponsoring Agency | Place and Date | Paper Presented |
|--------|---|---|---|---|
| 1 | State Level Seminar on Recent Trends in Teaching Basic and Applied Sciences | Phulsing Naik Mahavidyalaya Pusad (Yavatmal). | Phulsing Naik Mahavidyalaya Pusad (Yavatmal). 03 January, 2009 | 1. "Fortran in physics laboratory" 2. "Inexpensive laser wavelength determination kit" 3. "Improving laboratory instructions" |
| 2 | National Seminar on | Rajarshi Shahu Mahavidyalaya, Latur. | Department of Physics, | "Nanotechnology and Indian |

| | | | | |
|----|--|--|--|---|
| | Photonic Materials and Nanotechnology | | Electronics and Photonics 23 January-24 January, 2009 | agriculture” |
| 3 | National Seminar on Information Technology Enabled Services- | ShriShivajiCollegeAkola | ShriShivajiCollegeAkola 11 April,2009 | “Biometric supported ATM banking” |
| 4 | Total Solar Eclipse-09 Workshop TSE-09 | SGB Amravati University, Amravati , UGC and SPACE, New Delhi | SGB Amravati University, Amravati 13-14 June 2009 | Participation |
| 5 | National Seminar on “Current Trends In Physical Sciences& Electronics Research.” | UGC & Dept. Of Physics & Electronics, Shri. ShivajiCollegeAkola | Mar. 28,2010 | Treasure of National Conference |
| 6 | National Seminar on “Current Trends In Physical Sciences& | UGC & Dept. Of Physics & Electronics, Shri. ShivajiCollegeAkola | Mar. 28,2010 | “Study of Physical Properties of Lead Borate Glasses” |
| 7 | National Level Conference on “Developing Frontiers of Physics, Astronomy &Space Science” | UGC & Dept. Of Physics &Mathematics,RLTCollege ,Akola | 24-25Sept. ,2010 | Participation |
| 8 | District Level Workshop on “Role of Teacher for Quality Education with Reference to Sixth Pay Commission | Shri Shivaji College, Akola and office of the Joint Director, Higher Education, Amravati and SGB Amravati University, Amravati | Shri Shivaji College, Akola 10 April 2011 | Participation |
| 10 | U.G.C. Sponsored 11th Orientation Programme | U.G.C. Academic Staff College,SGB Amravati University, Amravati | Amravati 16 Jul 2011 to | Attended |

| | | | | |
|----|---|--|--|--|
| | | | 12 Aug 2011 | |
| 11 | U.G.C. Sponsored Refresher Course in Computational Science (Physics) | U.G.C. Academic Staff College, SGB Amravati University, Amravati | Amravati 09 Mar 2012 to 30 Mar 2012 | Attended |
| 12 | National Conference on "Recent Initiatives towards Green Electronics" | UGC, DST and Brijlal Biyani Science College, Amravati | Brijlal Biyani Science College, Amravati 08-09 Feb 2013 | "Microstrip patch antenna for 1900 MHz band" |
| 13 | Workshop on "Electronics Teaching study Material" | Department of Electronics, University of Pune | 22-23 April 2013 | Participated |
| 14 | (two weeks) "Information and Communication Technology (ICT)" | Dept of Commerce Shri Shivaji College of Arts, Commerce & Science, Akola, | Akola 5 th to 20 th April 2013 | Participated |
| 15 | Workshop on Communication al English | Department of English Shri Shivaji College of Arts, Commerce & Science, Akola, | Akola 5 th April to 13 th April, 2013 | Participated |

13. Research Projects Completed / Ongoing

| Title of the project | Name of the funding agency | Duration | Remarks |
|---|----------------------------|-----------|-----------|
| FDTD Modelling and Simulation of a Microstrip Patch Antenna | UGC Minor Research Project | Two Years | Completed |

14. Teaching Experience

| Courses Taught | Name of the University/ College/ Institution | Duration |
|----------------|--|----------|
| UG | Amravati University, Shri. Shivaji College Of Art's, Commerce & Science, Akola | 11 Years |
| PG | Amravati University, Shri. Shivaji College Of Art's, Commerce & Science, Akola | 11 Years |

15. Extension activities/ consultancy/ community works:-Career guidance to the students, Donations to CM relief funds, Poor Boys fund, Flag Day fund, Presiding Officer during ZP, PanchayatSamiti, Loksabha and Vidhansabha elections, contribution to the prize distribution to the students fund

16. Innovations/ Contributions in Teaching

- a. Design of Curriculum
- b. Teaching Methods:- conventional chalk and blackboard method enhanced with illustrations, notes, information collected from internet, biography of scientists and active participation of students.
- c. Laboratory Experiments:- simplification of experimental procedures and experimental setups, first year students are given a practice course on using basic measuring instruments, graphical analysis etc.
- d. Preparation of resource materials
- e. Remedial teaching:-Participated in UGC Remedial course for SC/ST students, guidance to students weak in the studies during the spare and free time.

16. Role in college activities. :-Worked as a member of college Placement and Student Guidance Cell, Worked as a member of college Science Association, Admission committee, Prize distribution to the students etc.

17. Role in university activities:-Valuation of B.Sc. I, II, III Physics examination papers, Conduct of B.Sc Physics practical Examination, Invigilation during university examinations.