



CURRICULUM – VITAE

Name : Dr. Uttam Kisan Mohite

Address : B.V.'s Matoshri Bayabai Shripatrao Kadam Kanya
Mahavidyalaya, Kadegaon. Tal- Kadegaon, Dist- Sangli -
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Date of Birth : 1st June 1965.

Present Status : Associate Professor & Head,
Dept. of Physics, M.B.S.K. Kanya
Mahavidyalaya , Kadegaon. Dist. Sangli.

Pay scale : 1,31,400-2,17,100

Educational Qualification : M.Sc., Ph.D.

Degree	Subject/Area of Specilization	University	Year of Passing	Class Obtained
B.Sc.	Physics	Shivaji University, Kolhapur	1987	Ist Class with Hons.
M.Sc.	Physics (Thereotical Physics)	Shivaji University, Kolhapur	1990	Ist Class
B.Ed.	-	Shivaji University, Kolhapur	1992	Ist Class
Ph.D.	Physics (Electro-deposition)	Shivaji University, Kolhapur	1995	-

Teaching Experience :

- **At Under Graduate Level:** thirty-one years.

During the last 31 years I have taught the following subjects at degree level.

1. General Physics, Sound and Acoustics.
2. Optics and Lasers.
3. Mathematical and Statistical Physics.
4. Classical Mechanics.
5. Quantum Mechanics.
6. Electricity & Magnetism.

- **At Post Graduate Level:** Two years.

Paper taught at M.Sc. course.

1. Mathematical Methods in Physics.
2. Condensed Matter Physics.
3. Electrodynamics

Orientation/Refresher Course:

1. Refresher Course in Physics at Department of Physics, Shivaji University, Kolhapur, 12th June. to 9th July.1995.
2. Orientation Course, at Academic Staff College, Goa University Goa.23rd April to 20th May 1997.
3. Refresher Course in Physics at Department of Physics, Shivaji University, Kolhapur, 20th Nov. to 11th Dec.2001.
4. Interdisciplinary Two Week Refresher Course , Teaching Learning Center Ramanujan College University of Delhi, 13-27th July, 2022.

Research:

Six years during Ph.D. Work (Title- “Electrosynthesis of Yttrium Chalcogenides & their Physico-chemical Characterization”).

Research Publications:

a) In Journals:

1. “Electrosynthesis of Tin Sulphide and Yttrium Sulphide thin Films.” In Pure and Applied Physics,32(9)772-777,1994.
2. “Electrosynthesis of Yttrium from non-aqueous bath.”In Indian Journal of Engineering and Material Science,2(4),93-94,1995.
3. “Electrosynthesis of Y-Se films from non-aqueous bath.”In Tr. J. of Physics, 19(9)1152-1157,1995.
4. , “Preparation of Y-Te films by Electrodeposition method.”In Bulletin of Electrochemistry, 13(2)71-74, 1997.

5. "A Prototype Eco-farming model: Quantization of Biomass energies." International journal of chemical and physical sciences.14 (Special Issue) 22-27, 2015.
6. "Electrochemical Studies of Yttrium Sulphide Films,"International Journal of Advanced Research in science, Engineering and Technology,8(12) 18727-18732,2021.
7. Higher H₂S Gas Sensing Performance of Cadmium Zinc Mixed Oxide Thin Films Compared to Tin Doped Pure Cadmium Oxide Thin Films Synthesized by Spray CVD Method, Bulletin of Environment, Pharmacology and Life Sciences, Special issue [1] 2022: 1380-1385.
8. Electrosynthesis of Y-S Films by Electrodeposition Method, , Bulletin of Environment, Pharmacology and Life Sciences, Special issue [1] 2022: 1596-1601.
9. Studies on use of yttrium sulphide as a storage electrode in photoelectrochemical (PEC) storage cell, Research Journal of Life Science, Bioinformatics, Pharmaceutical and Chemical Sciences, Special issue 23-29.
10. Structural and Optical studies of Electrodeposited Yttrium chalcogenide Films, International Journal of Research and Analytical Reviews(IJRAR),2022, Vol.9, issue 1,11-17.

b) In Conferences:

1. "Electrosynthesis of Yttrium Chalcogenides from non-aqueous bath",Seventh **International Conference** on Solid Films and Surfaces,at Dept. of Electrical Engineering,National Tsing Hua Univ., Hsinchu,Taiwan ,Dec.12-16,1994.
2. "Electrosynthesis of Yttrium from non-aqueous bath", **National Conference** on Developments in Electronic Materials & Their Applications, at Dept. of Physics,Shivaji Univ. Kolhapur,6-8 March,1995.
3. "Electrosynthesis of Yttrium Sulphide from non-aqueous bath", Fifth **National Convention** of Electrochemists, at Dept. of Chemistry, University of Delhi, 6-8 April,1994.
4. "Electrodeposition Techniques", **International Seminar** on Smart Materials, Nanocomposites, Industrial Applications & Devices, at Dept. of Physics, Shivaji University Kolhapur, 28-29 July,2000.
5. "Biomass quantization of energies in farming sector-eco farming model",Two day state level seminar on Emerging trends in physics,6-7th feb.,2015.
6. "Electrosynthesis of Y-S Films from Electrodeposition Method",3rd International Multidisciplinary Conference on Emerging Trends in Humanities, Commerce, Management, Science and Technology 2021(IMCET-2021), Balwant College, Vita,23-24th Dec.2021.
7. "Studies on use of yttrium sulphide as the Storage Electrode in Photoelectrochemical (PEC) Storage Cell",Fourth National Conference on 'Recent Trends in Physics and Applied Sciences, Dr. P. K.Mahavidyalaya, Sangli,21-22th Jan.,2022.

8. 1st International Web Conference on “ Advances in Material Sciences & Applied Biology”, Dr. Patangrao Mahavidyalaya, Ramanandnagar.,27-28th Jan.,2022.
 9. ‘The study of Yttrium Selenide based storage electrode in PEC storage cell’One day National conference on ‘Advances in Functional & Sustainable Materials”S. G. M. College Karad, 8th April 2022.
- c) **Chapter In Book.**
1. The study of Yttrium Selenide based storage electrode in PEC storage cell, Advances in Functional & Sustainable Materials,2022,Bhumi publishing.
 2. Studies on use of yttrium sulphide as the storage electrode in electrochemical (PEC) cell, RTPAS2021 Conference Proceeding RJLPBCS2022, Dr.P.K college.
 3. Microwave Assisted Synthesis and characterization of MG-CO-ND-CD Nanoparticles, Advances in Functional & Sustainable Materials,2022,Bhumi publishing.

Seminars/Workshops Attended:

1. One Day Seminar on “X-rays & Neutron Diffraction and their Applications” at Shivaji Univ. Kolhapur, 5th May,1993
2. One Day Seminar on “Thin Film Semiconductors & Integrated Technology”at Dept. of Physics, Shivaji University Kolhapur, 13th Aug.,1993.
3. “ANNUAL MEET FOR NEW MILLENIUM”, organised by School of Energy Studies, at Dept. of Physics, Shivaji University Kolhapur, 1st Jan.2000.
4. “Fourth Annual Meet of Shivaji University Physics Students”, organised by School of Energy Studies, at Dept. of Physics, Shivaji Univ. Kolhapur, 1st Jan.2001.
5. Workshop on “Recent Trends in Bioinformatics”, organised by Yashwantrao Mohite College, Pune, 1st Oct.2002.
6. Two Day Workshop on “ B.Sc. Part-I (Physics) Revised Syllabus”,at Dept. of Physics, Shivaji Univ. Kolhapur, 24-25 Sept.,2003.
7. One Day Seminar on “Energy Resources & Environment”,at Dept. of Physics,Shivaji Univ. Kolhapur, 28th Sept.,2003.
8. One Day Workshop on “How to Prepare for the Peer Team Visits of NAAC,”at J. P. Naik Center for Education and Development, Pune,18th Oct.2003.
9. One Day Seminar on “Examination Reforms”, organised by Shivaji University, Kolhapur & Smt. Mathubai Garware College, Sangli, 20th Dec.2004.
10. “Seventh Annual Meet of Shivaji University Physics Students”, organised by School of Energy Studies, Dept. of Physics, Shivaji University, Kolhapur, 1st Jan.2005.
11. National Seminar on “Materials for Advanced Technologies”, Sponsored by UGC & Shivaji University Kolhapur, Organised by Dept. of Physics, Shivaji Univ. Kolhapur,23-25 Jan.2006.
12. Two Day Workshop on “ The Internal Quality Assurance Cell (IQAC) as a Post Accreditation Quality Sustenance Measure” Organised by Sadguru Ghadge Maharaj College, Karad, 18-19th Feb.2006.

13. NAAC Sponsored State Level Seminar on “Challenges and opportunities in Higher Education”, Organised by Ganpatrao Arwade College of Commerce, Sangli, 11-12th Jan. 2008.
14. State Level One Day Seminar on “Role of Stake Holders in Maintaining Quality in Higher Education”, Organised by Dr. Patangrao Kadam Mahavidyalaya, Sangli, 27th Sept. 2008.
15. One Day State Level Seminar on “Best Practices in Teaching, Learning, Evaluation and Research”, organised by N. S. Soti Law College, Sangli, 29th Aug. 2009.
16. Three day Leadership Development Program (LDP), organised by R.K. Education and support system, Mumbai at Karjat, 18-20th July 2011.
17. One Day Workshop on “ B.Sc. Part-III (Physics) Revised Syllabus”, Shikshanmaharshi Bapuji Salunkhe Mahavidyalaya Miraj, 4th Aug. 2012.
18. One day National Seminar on “Quality of Higher Education and Kakodkar Report, organized by Shivaji University Teachers’ Association, on 2nd Sept., 2012
19. Two day National Seminar on “Development in Thin Film Processing and Characterization Technology” organized by dept. of physics, Y. M. College, Pune, on 8-9th Oct., 2012.
20. Two day National Seminar on “Recent Developments and Measurements Techniques in Astronomy and Astrophysics” organized by dept. of physics, Shahajiraje Mahavidyalaya, Khatav on 16-17th Jan., 2013.
21. One day Workshop on “Energy Sources and Astrophysics. Organised by Smt. K. W. C. College, Sangli, on 29th Jan., 2013.
22. One day Workshop on “Alternative learning method in science”, Department of Physics, Dr. P.K. Mahavidyalaya, sangli, on 16th July, 2013.
23. One Day Workshop on “ B.Sc. Part-III (Physics) Revised Syllabus, organised by k. N. P. College, Walwa, 21st August 2013.
24. One Day Workshop on “ B.Sc. Part-I (Physics), semester-II. Revised Syllabus organised by Smt. K. W. C. College, Sangli, on 13 Sept., 2013.
25. UGC sponsored National Seminar on Recent Trends in Biodiversity and Environmental Science, Organised by M. B. S. K. Kanya Mahavidyalaya, Kadegaon, on 3-4th Oct., 2013.
26. One day teaching training programme on revised syllabus of B. Sc.-II in physics, semester-IV organised by Y. C. College, Halkarni on 21st August 2014.
27. “National seminar on Aspects of Economical and Practical Applications of Nano-Conventional Energy Resources in India “Organised by Shikshanmaharshi Dr. Bapuji Salunkhe Mahavidyalaya, Miraj on 12th December 2014.
28. Two day state level seminar on Emerging trends in physics, organised by Anantrao Pawar College, Pirangut (Pune), 6-7th feb., 2015.
29. One Day Workshop on “ B.Sc. Part-III (Physics) Revised Syllabus”, Yashwantrao Chavan Warana Mahavidyalaya, Warananagar on 22nd August 2015.
30. One Day Workshop on “ Revised Practical Syllabus-B.Sc. Part-III (Physics)”, Yashwantrao Chavan Institute of Science, Satara on 28th August 2015.

31. One day Workshop on “Accreditation of institution by LIC committee under new Performa” Smt.K.R.P. Kanya mahavidyalaya Islampur, on 29th Nov., 2016
32. One day workshop on “The Maharashtra Public University Act, 2016”, Shivaji University Teachers’ Association, Kolhapur, on 5th Feb. 2017.
33. One day Workshop on new changed syllabus (CBCS) OF B.Sc.-I Physics, Y.C. College of Science, Karad, on 20th Aug., 2018.
34. One day Workshop on new changed syllabus (CBCS) OF B.Sc.-I Physics, D. P. Bhosale Mahavidyalaya, Koregaon on 24th Aug., 2018.
35. One day Workshop on “new Horizons-Joy of learning Physics”, Sanjay Ghodawat University, Kolhapur, 4th Feb., 2019.
36. Agrowon Sponsored two days workshop on “Cold storage and Package technology” in APG learning center, Pune, 19-20th 2019.
37. One day state level Workshop on New AQAR Methodology, Haribhai V. Desai Arts, Science & commerce college, Pune, 17th July, 2019.
38. One Day Workshop on “ Revised Practical Syllabus (CBCS) -B.Sc. Part-II (Physics)”, Yashwantrao Chavan Institute of Science, Karad on 15th August 2019.
39. One day Workshop on new changed syllabus (CBCS) OF B.Sc.-II Physics Practical, 21st Aug., 2019.
40. One day Workshop on new changed syllabus (CBCS) OF B.Sc.-II Physics, Paper V & VI, A.S.C. college Ramanandnagar (Burla), 23th Aug., 2019.
41. One day Workshop on “API and CAS Promotion to Professorship”, organised by Shivaji University Teacher’s Association, Kolhapur, 6th Nov., 2019.
42. Two Days International Webinar on “Recent Advances on Science and Technology”, K.M. J. Mahavidyalaya, Washi, Dist- Usmanabad., 23, 14 Nov., 2021.
43. 1st international Web Conference on Advances in Materials Sciences and applied Biology, Dr. Patangrao Mahavidyalaya, Ramanandnagar (Burla), 27-28th Jan., 2022.

Seminars/Workshops Organization:

1. One day Work shop on “The Experimental Skills and Applications in B.Sc. Physics Practical.” Under Lead college Scheme, Bharati vidyapeeths M.B.S.K. Kanya Mahavidyalaya, Kadegaon., 27th Jan. 2017.
2. One day Work shop on “Experimental Skills in B.Sc. Practical.” Under Lead college Scheme, Bv’s M.B.S.K. Kanya Mahavidyalaya, Kadegaon., 20th Dec., 2018
3. One day Work shop on “Research Methodology.” Bv’s M.B.S.K. Kanya Mahavidyalaya, Kadegaon., 28th June., 2022.

Visit at Abroad :

1. Visit to Taiwan: To present a paper at Seventh International Conference, National Tsing Hua University, Hsinchu, (Taiwan) Nov. 1995.
2. Visit to Malaysia: To attend International business Convention at Kaula-lampur, March, 2007.
3. Visit to Thailand: Participated in RMP World record Event at Pataya, Feb. 2008.

4. Visit to Singapore & Indonesia: Business Trip with RMP organization, Sept.2008.

Academic Membership :

- Member, Board of Studies in Physics of shivaji University, Kolhapur, (2006-2011).
- Member, 32/5(g) Committee, for Physics, Shivaji University, Kolhapur.(2006-2011).
- Permanent Recognition as a Post – Graduate teacher/ M. Phil, Ph.D. guide, from feb.2013.
- Member, Board of Studies in Physics of shivaji University, Kolhapur, (2017-22.

Awards / Fellowship:

- A.P.J. Abdul Kalam National Award for teaching, Research and Publications, by International Institute for Social and Economic Reforms(R), Bengaluru.2019.

Extracurricular Activities/ invited lectures:

- Guest lecture on “ Practical Exercise of Physics”at Krantiagrani G. D. Bapu Lad Mahavidyalaya Kundal.,20th Oct.2019.
- Chief guest for Teacher’s day programme at Institute of Technology, Palus on dated 5th Sept. 2019.
- Guest lecture, ‘emerging trends in physical Sciences’,22nd July,2020.
- Invited as a Chair person, ‘One day National e-conference in emerging tranedes in physical Sciences’,27th July,2020, Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar.
- Guest lecture on “ Opportunities in Physics after B.Sc.”at S,G.M. College,Karad,20th Aug.,2020.
- Guest lecture on “ Newtonian Mechanics”at S,G.M. College,Karad,17th Sept.,2020.
- Resourse person in one day online work shop’New challenged B.Sc.III CBCS Curriculum of Physics paper IX & paper XII’R.C.S. College, Kolhapur,3rd Feb.,2021.
- Guest lecture on “ Research Methodology”at S,G.M. College,Karad,17th Feb.,2021
- Chief Gueat for Welcome ceremony function ‘ MSc.-I Students’ S. G.M. college, Karad, 18th Dec.,2021.
- Invited Speaker for 5th National Conference on Recent Trades in pure and applied Sciences (RTPASS-2022), Dr. P. K. Mahavidyalaya, Sangli,21-22th Jan.,2022.
- Invited Talk ‘Preperation of power Point Presentation for Semenare’Dept. of Physics, Balawant college, Vita, 10th July,2022.
- Invited Talk ‘Carnot Engine & calculation of its efficiency’Dept. of Physics, Balawant college, Vita, 25th Jan.,2022.
- Invited as a Chair person, ‘1st’,28th July,2022, Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar.

- Guest lecture on “ Digital Electronics and Instrumentation”at S,G.M. College,Karad,24th Feb.,2022.
- Invited Talk ‘Special Functions’ Dept. of Physics, Balawant college, Vita, 25th July,2022.

Academic appointments:

- Appointed as member on L. I.C. Committee for Recognition for new Syllabus at Y.C. Institute of Satara, on 5th Feb., 2013.
- Appointed as Expert for ‘AVISHKAR 2013’at Bv’s College of Engineering, Kolhapur on 23rd December 2013.
- Appointed as member, Shivaji University Affiliation Committee for B.Sc.-I/II at Madhoji Mahavidyalaya, Phaltan on 17th December 2014.
- Appointed as member, Shivaji University Affiliation Committee for B.Sc.-I/II Shri Shahaji Chatrapati Mahavidyalaya, Kolhapur on 24th December 2014.
- Appointed as member, Shivaji University Affiliation Committee for B.Sc.-I/II at Ghali mahavidyalaya, Gadinglaj. on 2nd Feb.2015.
- Appointed as subject expert , Shivaji University Affiliation Committee for Annasaheb Dange Engineering College, Asta. on 2nd Feb.2016.
- Appointed as member, Shivaji University Affiliation Committee for B.Sc.-I, at Arts and Commerce Mahavidyalaya, Mayani, Dist- Satara on 21st July, 2016.
- Appointed as member, Shivaji University Affiliation Committee for M.Sc.-I, at K.R.P.Kanya Mahavidyalaya, Islampur, Dist- Sangli on 1st Feb. 2017.
- Appointed as subject expert , Shivaji University Affiliation Committee for Rajendra Mahavidyalaya, Khandala.,25th April 2017.
- Resource person and referee for poster presentation,Balawant college Vita,20th Jan.2018.
- Appointed as member, Shivaji University Affiliation Committee for B.Sc.- at K.B.P.College,Urun- Islampur, Dist- Sangli on 28th Feb. 2018.
- Appointed as member, Shivaji University Affiliation Committee for B.Sc.-I at K.A G,D.P.College,Kundal, Dist- Sangli on 3rd March. 2018.
- Appointed as member , Shivaji University Affiliation Committee for Rajendra Mahavidyalaya, Khandala.,22th March 2018.
- Appointed as Examinar for ‘District Level AVISHKAR 2018’at V.Y. Arts and Science College, Peth Vadgaon on 27th December 2018.
- Appointed as Examinar for ‘University Level AVISHKAR Research Copitition,2018 at Y.C.S.R.D., shivaji University Kolhapur, on 4th January 2019.
- Resource person “ One day workshop on experimental skills”,P.D.V.P. Mahavidyalaya, Tasgaon.,30th Jan.,2019.
- Appointed as member, Shivaji University Affiliation Committee for B.Sc.-I, at Arts, Commerce and Science Mahavidyalaya, Hupari, Dist- Kolhapur on 13st July, 2019.
- Appointed as a Chairman for the paper setter, B.Sc.-III paper-IX (Sem-V), 28th Aug.,2019.
- Chief Guest for the function of Teacher’s day , Institute of Technology (Polytechnic), Palus., 5th Sept.,2019.

- Appointed as member of syllabus forming Committee,for Value Added Course in MBSK Kanta Mahavidyalaya, Kadegaon,21st Nov.,2020
- Chief Guest for the function M.Sc.-I Welcome Function , S.G.M. College,Karad ,!8th Dec.,2021.
- Appointment as Subject expert on Pay fixation committee for stage 2 and stage 3, Shivaji University, Kolhapur,20th Jan.,2022.

Major Contributions :

Worked as a Convener /Member of various committee's at college level, such as-

- a) Examination committee.
- b) Admission committee.
- c) 'NAAC' committee (**coordinator, at first accreditation of the college**)
- d) Research committee.
- e) Library committee.
- f) 'IQAC' committee.
- g) College Development Committee.
- h) N.S.S. Committee.
- i) Staff academy.

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