

CURRICULUM VITAE

Dr. NIMAT RAJESH KASHINATH

Professor Member of Academic Council Shivaji University, Kolhapur

Department of Physics,
Balsaheb Desai College, Patan, Dist-Satara (MS) India
415206 Phone: (Off.) +91 2372 283047, Mobile: +91-
7588378030, 9404788157

E-mail: dr_rknimat@yahoo.com rajeshknimat@gmail.com

Date of birth: 31st July 1970 Nationality: Indian



ACADEMIC CREDENTIALS

Ph. D. in Physics– November 2007.

Department of Physics,
Shivaji University, Kolhapur – 416
004M.S., INDIA

Title of thesis:

**“STUDIES ON SYNTHESIS AND CHARACTERIZATION OF BICUVOX
ELECTROLYTE FOR SOLID OXIDE FUEL CELL”**

Supervisor – Prof. (Dr.) S. H. Pawar

C. S. I. R. Emeritus Scientist, Ex-Vice Chancellor, D. Y. Patil University, Kolhapur

**ELIGIBLE FOR THE POST OF PRINCIPAL as per UGC Amendment F-F1-2/2016
(PS/Amendment), dated 11.07.2016 and the State Government Resolution number Sankirn-2017
Pr.Kr. 33/17/Vishi-1, dated 04.03.2017.**

Academic Qualifications

Sr. No	Exam. Passed	Board/ University	Subject	Year	Grade / Class
1	S.S.C.	Pune	All	1985	First Class
2	H. S.C.	Pune	Marathi, English, Physics, Chemistry, Mathematics, Biology	1987	First Class
3	B.Sc.	Shivaji University, Kolhapur	Physics	1990	First Class with Distinction
4	M. Sc.	Shivaji University, Kolhapur	Physics	1992	First Class
5	SET	Pune University	Physics	2000	-
6	MS-CIT	MSBTE Pune	-	2003	First Class with Distinction
7	Ph. D.	Shivaji University Kolhapur	Physics	2007	-

Experience:

Sr. No.	Designation	Name of Employer	Salary with Grade Pay/ Academic Level	Date of		Experience in years
				Joining	leaving	
1	Lecturer	Balasaheb Desai College, Patan	2200-4000	03.08.1992	30.06.1993	11 months
2	Lecturer	Balasaheb Desai College, Patan	2200-4000	27.07.1993	04.07.1994	1 year
3	Lecturer	Balasaheb Desai College, Patan	2200-4000	20.06.1995	19.06.2000	5 years
4	Lecturer	Balasaheb Desai College, Patan	8000-13200	20.06.2000	29.03.2006	6 years
5	Lecturer Sr. scale	Balasaheb Desai College, Patan	10000-15200	30.03.2006	29.03.2009	3 years
6	Lecturer Selection scale	Balasaheb Desai College, Patan	12000-18300	30.03.2009	29.03.2012	3 years
7	Associate Professor	Balasaheb Desai College, Patan	37400-67000	30.03.2012	04.01.2023	11 years
8	Professor	Balasaheb Desai College, Patan	37400-67000	05.01.2023	Till Date	05 months
			Present basic pay in academic level 14 Rs. 172200/-			
Total Experience in years						30 years

Orientation / Refresher Course:

Sr. No.	Name of the Course/ Summer School	Place	Duration	Sponsoring Agency
1	Orientation Course	Goa	14 th December 2001 to 10 January 2002	Goa University
2	Refresher Course	Hyderabad	4 th November 2004 to 27 th November 2004	Osmania University
3	Refresher Course	Mumbai	3 rd October 2008 to 23 rd October 2008	Mumbai University
4	Refresher Course (Experimental Physics)	Pune	9 th December 2013 to 24 th December 2013	IAS Bangalore and IISER Pune
5	Global Skills Enhancement Programme	Mysore	7 th June to 17 th June 2007	Infosys Mysore
6	Global Skills Enhancement Curriculum	Pune	7 th and 8 th November 2008	Infosys Pune

MOOC/NPTEL Courses

Sr. No.	Name of the Course	Duration	Organizer	Performance/Grade
1	Learning Physics through Simple Experiments	20 th September to 20 th November 2016	IIT Kanpur	Outstanding

2	Basics of Special Theory of Relativity	18 th December 2018 to 8 th March 2019	IIT Kanpur	Excellent
3	Introduction to Solid State Physics	January-April 2018(12 weeks)	NPTEL IIT Kanpur	Topper
4	Basics of Quantum Mechanics(online)	15.08.2019 to 18.11.2019	IIT Kanpur	Excellent
5	Accreditation and Outcome Based Learning	August-October 2019	NPTEL IIT Kanpur	Silver Medal
6	Teaching and Learning in General Programs	July -August 2021	NPTEL IISc Bangalore	Silver Medal

AWARDS

Awarded by, **University Grants Commission New Delhi, Teacher Fellowship under Faculty Improvement Programme** for doing Ph. D. (Duration **Two** years 01-03-2005 to 28-02-2007)

Conferred '**Best Paper Award**' for the paper entitled "*Structural characterization and impedance study of spray deposited $Bi_2Cu_{0.1}V_{0.9}O_{5.35}$ thin films*" presented at the International Symposium on Materials Chemistry (ISMC-2006) BARC, Anushaktinagar, Mumbai, 4- 8 Dec. 2006.

FELICITATION

Felicitated by '**Avishkar**' **Social and Educational Foundation Kolhapur**, Satara District Branch, offering letter of appreciation on the occasion of Teacher's day 5th September 2008

Research Work guided:

Ph. D Guidance. : Awarded - 02 students
: Working-04 students

No. of Research Publications: 50 in National/ International journals

Citations- 95

h-index-05

i10-index-05

Patent Filed - National 01

NAAC work experience

1. Worked as IQAC coordinator of the college from June 2007 to June 2017
2. Worked as NAAC coordinator of the college for two consecutive NAAC cycles (2012)and (2017) and performed key role in process of accreditation of the college
3. Worked as member- Mock Peer Team at S G M College, Karad

Participation in University Life

1. Member- Academic Council Shivaji University, Kolhapur
2. **Coordinator (Chairman)** Physics coordination committee of Shivaji University Kolhapur(2015-2017)
3. Member of **BOS in Physics** of Shivaji University, Kolhapur (2010 to 2015)

4. Member of **faculty in science** for BOS in Physics Shivaji University, Kolhapur (2010-2015)
5. Member BOS in Physics, S. G. M. College Karad (Autonomous College)
6. Worked as member Research and Recognition committee of Shivaji University, Kolhapur
7. Worked as member of sixth pay fixation committee of Shivaji University Kolhapur
8. Worked as Chairman/member of Local Inquiry Committee
9. Worked as member of University Examination Flying Squad
10. Worked as an Examiner for Avishkar Research Convention
11. Worked as referee for Ph. D. thesis evaluation and conducted viva voce at Amaravati University
Amaravati
12. Worked as referee for Ph. D. thesis evaluation and conducted viva voce at Amaravati University
Amaravati
13. Paper setting- Ph. D. in Physics entrance examination of Shivaji University, Kolhapur
14. Paper setting- M. Sc. Physics entrance examination of Shivaji University, Kolhapur
15. Chairman paper setting, member paper setting, examiner, and moderator for B. Sc. I, B. Sc. II and B. Sc. III for theory and practical examination

Minor Research Projects Completed: Principal Investigator

Sr. No.	Title of the Project	Funding Agency	Date of starting	Date of Completion	Total amount Rs.
1	Studies on Synthesis and Characterization of Bi ₂ Cu _{0.1} V _{0.9} O _{5.35} Oxide Ion Conductor	UGC	January 2008	January 2010	65000/-
2	Preparation and characterization of fuel cell grade samarium doped ceria thin films	UGC	March 2009	March 2011	95000/-

Major Research Projects Completed : Principal Investigator

Sr.No.	Title of the Project	Funding Agency	Date of starting	Date of Completion	Total amount Rs.
1	Preparation and characterization of lanthanum strontium manganite(LSM) thin films as cathode for solid oxide fuel cell	UGC	July 2012	July 2015	12,15,800/-

Books Published:

Reference Books

1. BiCuVO_x oxide ion conductor for SOFC application **R. K. Nimat** Lambert Academic Publisher ISBN 978-3-330-32967-6 (2017)
2. A Treatise on Experiments in Thermal Physics Acoustics and Wave Optics **Dr Ketaki K Patankar, Dr Rajesh K Nimat, Dr Lata D Jadhav** 08-Feb-2023 ISBN : 9789356113305

Text Books with ISBN

1. B. Sc. Part I Sem-I Paper-I Mechanics-I (CBCS)
2. B. Sc. Part I Sem-I Paper-II Mechanics-II (CBCS)
3. B. Sc. Part I Sem-II Paper-III Electrostatics (CBCS)
4. B. Sc. Part I Sem-II Paper-IV Electricity and Magnetism (CBCS)
5. B. Sc. Part II Sem-III Paper-V Thermal Physics and Statistical Mechanics-I (CBCS)
6. B. Sc. Part II Sem-III Paper-VI Waves and Optics-I (CBCS)
7. B. Sc. Part II Sem-IV Paper-VII Thermal Physics and Statistical Mechanics-II (CBCS)
8. B. Sc. Part II Sem-IV Paper-VIII Waves and Optics-II (CBCS)
9. B. Sc. Part III Sem-V Paper-IX Mathematical Physics (CBCS)
10. B. Sc. Part III Sem-V Paper-X Quantum Mechanics (CBCS)
11. B. Sc. Part III Sem-V Paper-XI Classical Mechanics and Classical Electrodynamics (CBCS)
12. B. Sc. Part III Sem-V Paper-XII Digital and Analog Circuits and Instrumentation (CBCS)
13. B. Sc. Part III Sem-VI Paper-XIII Nuclear and Particle Physics (CBCS)
14. B. Sc. Part III Sem-VI Paper-XIV Solid State Physics (CBCS)
15. B. Sc. Part III Sem-VI Paper-XV Atomic and Molecular Physics and Astrophysics (CBCS)
16. B. Sc. Part III Sem-VI Paper-XVI Energy Studies and Materials Science (CBCS)
17. B. Sc. Part I Sem-I Paper-I Mechanics-I (CBCS)
18. B. Sc. Part I Sem-I Paper-II Mechanics-II (CBCS)

List of publications in National/ International Journals:

1. "Spray pyrolytic deposition of solid electrolyte Bi₂V_{0.9}Cu_{0.1}O_{5.35} films". **R. K. Nimat**, C. Betty and S.H. Pawar *Applied Surface Science* **253** (2006) 2702–2707.
2. "Temperature dependent conductivity and dielectric properties of Bi₂V_{0.9}Cu_{0.1}O_{5.35} solid electrolyte thin films". **R. K. Nimat**, R. S. Joshi and S.H. Pawar, *Mater. Sci. Eng.* **B137** (2007) 93-98.
3. "Substrate dependent structural and electrical properties of Bi₂Cu_{0.1}V_{0.9}O_{5.35} solid electrolyte thin films"**R. K. Nimat**R. S. Joshi and S. H. Pawar *Journal of Alloys and Compounds* 466, 1-2, 20 (2008), 341-351
4. "Synthesis of Fuel Cell grade Bi₂Co_{0.1}V_{0.9}O_{5.35} Solid Electrolyte Thin Films" R. S. Joshi, **R. K. Nimat**, R. K. Mishra and S. H. Pawar *Journal of Alloys and Compounds*471, 1-2, 5 March 2009, Pages 461-465
5. "Ferrosinels based on Cu and Co prepared via low temperature route as efficient catalysts for the selective oxidation of alcohol"*Journal of Alloys and Compounds*, P.P. Hankare, P.D. Kamble, S.P. Maradur, M.R. Kadam, U.B. Sankpal, R.P. Patil, **R.K. Nimat**, P.D. Lokhande 487, 1-2, 13 (2009) 730-734.
6. 'A.C. Conductivity of Bi₂Cu_{0.1}V_{0.9}O_{5.35} Films for Fuel Cell Application' **R. K. Nimat et. al.** American Institute of Physics 1349 (2011) 955 (2011)

7. "Spectroscopic and electrical properties of strontium-doped lanthanum manganite thin films for SOFC" *International journal of Scientific & Technology Research* B. S. Kamble, V. J. Fulari, **R. K. Nimat** Vol. 5, 04 (2016) 74-97.
8. "Characteristics of $\text{La}_{0.9}\text{Sr}_{0.1}\text{MnO}_{3-\delta}$ thin film sintered at 900°C for SOFC cathode". *International journal of Science and Technology* B. S. Kamble, V. J. Fulari, **R. K. Nimat** Vol. 6, 04 (2016).
9. "Preparation of $\text{La}_{0.9}\text{Sr}_{0.1}\text{MnO}_{3-\delta}$ (LSM) thin films by spray pyrolysis technique for SOFC cathode" *International journal of Scientific Engineering & Technology* B. S. Kamble, V. J. Fulari, **R. K. Nimat** Vol. 5, 06 (2016) 326-330
10. "Strontium doping concentrations influence on $\text{La}_{1-x}\text{Sr}_x\text{MnO}_{3-\delta}$ micro structural and electrical conductivity" *IOSR Journal of Applied Physics (IOSR-JAP)* B. S. Kamble, V. J. Fulari, **R. K. Nimat** Vol. 8, 03 (2016) 66-71.
11. "Synthesis and characterization of LSM thin films as cathode for SOFC" *IJSRSET* B. S. Kamble, R. M. More, U. M. Chougale, V. J. Fulari, **R. K. Nimat** Vol. 2, 03 (2016) 789-792.
12. "Synthesis and Characterization of Strontium Doped Lanthanum Cobaltite thin films for SOFC Cathode" *IOSR Journal of Applied Physics (IOSR-JAP)* B. S. Kamble, V. J. Fulari, **R. K. Nimat** Vol. 9, 06 (2017) 61-65.
13. "A. C. Conductivity and Dielectric Study of Strontium Doped Lanthanum Manganite (LSM) thin films as Cathode for SOFC" *International Journal of Scientific Research in Physics and Applied Sciences* B. S. Kamble, V. J. Fulari, **R. K. Nimat** Vol. 6, 05 (2018) 115-117.
14. "Review of Cathode Materials for Solid Oxide Fuel Cell" *International Journal of Scientific Research in Physics and Applied Sciences* B. S. Kamble, V. J. Fulari, **R. K. Nimat** Vol. 6, 06 (2018) 162-165.
15. "Impedance Spectroscopy and Dielectric Study of LSM Thin Films as Cathode for SOFC" *IOSR Journal of Applied Physics (IOSR-JAP)* B. S. Kamble, V. J. Fulari, **R. K. Nimat** Vol. 10, 02 (2018) 17-20.
16. "Studies on Synthesis and Characterization of $\text{La}_2\text{Mo}_2\text{O}_9$ Thin Solid Film as an Electrolyte for Solid Oxide Fuel Cell" *Journal of Applied Science and Computations* G. A. Kadam, P. K. Pagare, L. D. Kadam, **R. K. Nimat** Volume VI, Issue VI, (2019) 546-550
17. Structural, Morphological and Optical Studies on Lanthanum Molybdenum oxide **R.K. Nimat et al.** *Journal of Information and Computational Science* Volume 9 Issue 12 (2019) 354-361
18. Structural and Electrical Properties of Strontium Doped Lanthanum Cobaltite (LSC) thin films for SOFC Cathode **R.K. Nimat et al.** *Journal of Information and Computational Science* Volume 9 Issue 12 (2019) 200-206

19. Room Temperature Synthesis of Nanocrystalline CuInSe₂ Thin Films by Electro deposition
R.K. Nimat et al. *American Institute of Physics* AIP Conference Proceedings **2265**, 030054 (2020);
<https://doi.org/10.1063/5.0017248>
20. Structural properties and D.C. resistivity study of strontium doped lanthanum manganite (LSM) thin films as a cathode for SOFC **R.K. Nimat et al.** *International Journal in Physical and Applied Sciences* vol 6 7 (2019)
21. Synthesis and Electrical Characterization of LSM Thin Films as Cathode for SOFC **R.K. Nimat et al.** *International Journal of Scientific Research in Science and Technology* vol 9 2 (2021)
22. "Formation of high ionic conducting γ -BICUVOX at moderate synthesis temperature". **R.K. Nimat** and S.H. Pawar. Conference on From Physical Understanding to Novel Architectures of Fuel Cells' organized by **Abdus Salam International Centre for Theoretical Physics, Trieste Italy**, 21- 25 May 2007.
23. Synthesis and Temperature Dependent Impedance Spectrometric Studies of Bi₂Co_{0.1}V_{0.9}O_{5.35} Solid Electrolyte Thin Films" R. S. Joshi, **R. K. Nimat** and S. H. Pawar. International Conference on advanced Materials and Applications organized by Department of Physics, Shivaji University Kolhapur during 15-17 November 2007.
24. "Substrate dependent structural and electrical properties of Bi₂V_{0.9}Cu_{0.1}O_{5.35} solid electrolyte thin films". **R. K. Nimat** M. P. Yadav, A. A. Mane and S.H. Pawar. Eighth International Symposium on Advances in Electrochemical Science and Technology (ISAEST-8) National Institute of Oceanography (NIO) Goa, 28-30 November, 2006.
25. "Structural characterization and impedance study of spray deposited Bi₂Cu_{0.1}V_{0.9}O_{5.35} thin films". **R. K. Nimat**, M. P Yadav, A.A. Mane and S. H. Pawar. International Symposium on Materials Chemistry (ISMC-2006) BARC Mumbai, 4-8 December 2006.
26. "Synthesis of BICUVOX Solid Electrolyte Thin Film on Tantalum Substrate by Spray Pyrolysis Technique for Biomedical Sensors" R. S. Joshi, **R. K. Nimat** and S. H. Pawar International Conference on Biomedical Engineering and Nanotechnology at D. Y. Patil University, Kolhapur on 21-23 October 2008.
27. "Structural and Morphological Properties of Spray Deposited Bi₂Cu_{0.1}V_{0.9}O_{5.35} Films" **R. K. Nimat** International Conference on Material Science (ICMS-2013) at Tripura University, Tripura 21-23 February 2013.
28. "Studies on Dielectric Properties of Copper Substituted Bismuth Vanadate", **R. K. Nimat**, R. S. Joshi, and S. H. Pawar. 52nd DAE Solid State Physics Symposium 2007, organized by University of Mysore during 27-31 December 2007.

29. "Testing of single chamber solid oxide fuel cell prepared via spray pyrolysis technique. **R.K. Nimat** and S.H. Pawar, MRSI Discussion meeting on Materials for Future Energy Systems". BARC Mumbai, 18-19 Jan. 2006.
30. "Synthesis and studies on structural and electrical properties of samaria doped ceria thin films". B.B. Patil, **R.K. Nimat** and S.H. Pawar, National Seminar on Materials for Advanced Technologies, ShivajiUniversity, Kolhapur, 23-25 Jan. 2006.
31. "Studies on synthesis and characterization of BiCuVOx electrolyte for solid oxide fuel cell". **R.K. Nimat** and S.H. Pawar, COURT 2006, ShivajiUniversity, Kolhapur, 6-7 Oct. 2006.
32. "Spray pyrolytic synthesis and electrolytic characterization of BiCuVOx films for fuel cell applications". **R.K. Nimat**, B.B. Patil, S.P. Kale, S.P Vedapathak and S.H. Pawar, 50th DAE- Solid State Physics Symposium, BARC Mumbai, 5-9 December 2005.
33. "Formation of Planar Thin Film Oxide Fuel Cell: A Novel Concept" **R. K. Nimat**, R. S. Joshi, M. P. Yadav, A. A. Mane and S. H. Pawar. NCRTEAM, TKIET, Warananagar.
34. B. B. Patil, **R. K. Nimat**, K. M. Subhedar and S. H. Pawar, "Studies on Synthesis of Spray Deposited PdNiCeO₂ Films" 16th AGM MRSI, NCL Pune 10th -12th Feb. 2005.
35. 'A.C. Conductivity of Bi₂Cu_{0.1}V_{0.9}O_{5.35} Films for Fuel Cell Application' **R. K. Nimat** 55th DAE Solid State Physics Symposium 2010 organized by Manipal University Manipal during 26-30 December 2010.
36. "Spray Pyrolytic Synthesis of La_{0.9}Sr_{0.1}MnO_{3-δ} Thin Films. B. S. Kamble, V. J. Fulari **R. K. Nimat** 2nd National Seminar on Physics of Materials and Materials Based Device Fabrication (NSPM-MDF-2013) 4, 5 January 2013
37. "Structural and electrical characterization of spray deposited La_{0.9}Sr_{0.1}MnO₃ (LSM) thin films" A. M. Mukadam, B. S. Kamble, V. J. Fulari, **R. K Nimat** DAE-BRNS 5th Interdisciplinary Symposium on Materials Chemistry December 9-13 (2014) organized by BARC Mumbai.
38. "Structural and morphological study of LSM thin films" B. S. Kamble, A. M. Mukadam, V. J. Fulari, **R. K Nimat** National conference on Recent Trends in Chemistry: Nanoscience 18-19 October 2013.
39. "Structural and Dielectric properties of La_{0.9}Sr_{0.1}MnO₃ (LSM) thin films for solid oxide fuel cell application, A. M. Mukadam, G. A. Kadam, B. S. Kamble, V. J. Fulari, **R. K Nimat**. National conference on Frontiers of Research in Chemistry 26-27 December 2013.
40. "Oxide ion conductivity of copper substituted bismuth vanadate thin films" **R. K. Nimat**, R. S. Joshi, S. H. Pawar. 53rd DAE Solis State Physics Symposium 16-18 December 2008 BARCMumbai.

41. "Structural and morphological study of LSM thin films as cathode for SOFC" B. S. Kamble, V. J. Fulari, **R. K. Nimat** International conference on Advances in Materials Science organized by Raje Ramrao Mahavidyalay Jath Dist-Sangli during 7-8 December 2016.
42. "Microstructural characterization of LSM thin films as cathode for SOFC" B. S. Kamble, V. J. Fulari, **R. K. Nimat**. International conference on Challenges and Opportunities before 21st century India in the fields of Social sciences, science, management and technology 6-7 February 2016.
43. "Synthesis of Sr₂MgMoO₆ thin film for solid oxide fuel cell application" A. M. Mukadam, G. A. Kadam, L. D. Kadam, **R. K. Nimat** National conference on Nanomaterials and Nano material based devices" 23-24 December 2014
44. "Spray Pyrolytic Synthesis of Molybdate Based Thin Film for Solid Oxide Fuel Cell Application" A. M. Mukadam, G. A. Kadam, L. D. Kadam, **R. K. Nimat** National conference on Recent Trends in Physics 10-11 October 2014.
45. "Spectroscopic and Electric Properties of Strontium-Doped Manganite Thin Films for SOFC Application" B. S. Kamble, V. J. Fulari, **R. K. Nimat** National conference on Recent Trends in Physics 10-11 October 2014.
46. "Structural properties and D.C. resistivity study of strontium doped lanthanum manganite (LSM) thin films as a cathode for SOFC", B. S. Kamble, U. M. Chohule, V. J. Fulari, **R. K. Nimat** International Journal in Physical and Applied Sciences vol 6 7 (2019)
47. "Advances in materials for solid oxide fuel cells". **R.K. Nimat** and S.H.Pawar. *Environmental pollution control journal*. 2-9 (2006) 68.
48. "Chemical Synthesis of h -MoO₃ Nanorods for Energy Storage Application" Dilwale G.V. **R. K. Nimat** Golden Jubilee-International Conference on Nanomaterials and Nanotechnology (ICONN-2021) 25-27 March 2021 organized by University of Mumbai
49. "Synthesis and Electrical Characterization of LSM Thin Films as Cathode for SOFC" B. S. Kamble **R. K. Nimat** International e-Conference on Recent Trends in Nano-Materials and Its Applications-2021 organized by Vidnyan Mahavidyalay Sangola during 9-10 April 2021
50. "Dielectric behavior and phase transition of La₂Mo₂O₉ films synthesized by spray pyrolysis technique" Govinda A. Kadam, Sagar A. Patil, Bajarang B. Patil, Sarita S. Kumbhar, Sambhaji S. Kumbhar, Suraj B. Madake, Laxman D. Kadam, Yuan-Ron Ma, Sujit A. Kadam **Rajesh K. Nimat** *Journal of Materials Science: Materials in Electronics* volume 34, 387 (2023).
51. "Chemical Route Synthesis of Nanohybrid Mo-V Oxide and rGO for High-Performance Hybrid Supercapacitors" Ravindra N Bulakhe, Ganesh Dilwale, Anuradha Pawar, Guanghai Piao, Zafar Said, **Rajesh Nimat**, Ji Man Kim, Jung In Journal: *Journal of Alloys and Compounds* Revised submitted

CONFERENCE / WORKSHOPS ATTENDED

1. National seminar on Materials for Advanced Technologies (NASMAT-20006) organized by the Department of Physics, Shivaji University, Kolhapur (NASMAT-2006) 23-25 January 2006.

2. Workshop on Frontiers in Physics and Chemistry Vision to 21st Century: First Interdisciplinary Shivaji University (India)-Hanyang University (S. Korea) Bilateral Summit, Hosted by ShivajiUniversityKolhapur 8-10 January 2007.
3. National workshop on “Roll of Engineering in Medical and Allied Sciences” organized by D. Y. Patil University, Kolhapur during 22-23 November 2007.
4. International Conference on Advanced Materials and Applications ICAMA2007 organized by Department of Physics Shivaji University, Kolhapur 15-17 November 2007.
5. National Seminar on Materials Processing and Characterization Techniques NS-MPCT-2005 28-29th March 05 organized by Department of Physics, Shivaji University, Kolhapur.
6. National Seminar on Materials for Advanced Technologies” NASMAT-2006 at ShivajiUniversity, Kolhapurorganized by Department of Physics, ShivajiUniversity, Kolhapur.
7. Academic Conference and Seminar on ‘Higher Education in 12th Five Year Plan: Agenda and Role of Teachers and Teachers’ movements at Sampurnanand Sanskrit University Varanasi during 15-17 December 2012.
8. Annual Convention of IAPT at SevagramVardha during 11-12 January 2013
9. National conference on Recent Trends and Issues in Renewable Energy (NCRTIRE-2014) 27- 28 January 2014
10. Physics of Materials and Materials Based Device Fabrication (ICMP-MDF-2014) 13-15 January 2015.

Resource Person/ Invited Lectures/ Chairperson / Subject Expert

1. Resource Person-Workshop on Revised Syllabus in Physics (B. Sc. I) organized by P. D. V. P. Mahavidyalay Tasgaon Dist-Sangli on 12.08.2013.
2. Resource Person- Workshop on Revised Syllabus of Physics B. Sc. III) organized K. N. P.College Walwa Dist-Sangli on 21.08.2013.
3. Chairperson- Workshop on Revised Syllabus of Physics B. Sc. III) organized K. N. P. CollegeWalwa Dist-Sangli on 21.08.2013.
4. ChairpersonWorkshop on B. Sc. Part-II Physics Revised Syllabus organized by S. M. Bapuji Salunkhe Mahavidyalay, Miraj Dist-Sangli on 11.08.2014.
5. Examiner - Conference on Recent Trends in Physics organized by Yashwantrao ChavanInstitute of Science Satara 2014.
6. Chairperson Workshop on Revised Syllabus of Physics B. Sc. III) organized by K. N. P.College Walwa Dist-Sangli on 25.08.2015.
7. Resource Person Workshop on Revised Practical Syllabus of B. Sc.-III organized byYashwantrao Chavn Institute of Science Satara 28.08.2015.
8. Resource Person Workshop on B. Sc. Part-III Revised Syllabus organized by YashwantraoChavan Warana Mahavidyalay Warananagar on 22.08.2015.
9. Resource Person Lead College Activity organized by Sharadchandra Pawar MahavidyalayLonand Dist-Satara on 07.01.2015.
10. Resource Person Lead College Activity organized by Shahajiraje Mahavidyalay Khatav Dist-Satara on 03.02.2016.
11. Resource Person Staff Academy organized by Arts and Commerce College Satara on07.08.2013.
12. Resource Person Science Seminar at Yashwantrao Chavan College of Science Karad Dist-Satara

on 26.09.2009.

13. Resource Person Poster Competition on Science in Daily Life at KBP College Urun-Islampur.
14. Resource person Science Seminar at D. B. J. College Chiplun Dist-Ratnagiri.
15. Resource Person at Lead College Activity organized by Balasaheb Desai College, Patan Dist-Satara on 02.02.2009
16. Resource Person-Workshop on new syllabus of B. Sc. I of Autonomous College, SGM College, Karad Dist-Satara on 31st July 2019.
17. Resource Person-Workshop on New changed syllabus of B. Sc. Part-II (CBCS) Practicals organized by Yashwantrao Chavan College of Science Karad Dist-Satara on 21.08.2019
18. Resource Person-Workshop on New changed syllabus of B. Sc. Part-II (CBCS) organized by A.S.C. College Ramanandnagar Dist-Sangli on 23.08.2019
19. Resource Person-Workshop on New changed syllabus of B. Sc. Part-II (CBCS) organized by D. P. Bhosale College, Koregaon Dist-Satara on 11.10.2019
20. Chairperson- International conference Multifunctional and Hybrid Materials for Energy and Environment MHMEE-2020 organized by YCIS Satara on 29-30 January 2020
21. V. C. Nominated subject expert on selection committee at Bharati Vidyapeeth on 07.03.2020
22. Invited Lecture - Quantum Mechanics organized by YCCS Karad 14.03.2021
23. Invited lecture- NET/SET/JAM/JEST preparation workshop organized by S G M college, Karad on 10.02.2020.
24. Chairperson-Workshop on New changed syllabus of B. Sc. Part-III (CBCS) organized by Rajarshi Chhatrapati Shahu College, Kolhapur on 03.02.2021.
25. Resource Person-Workshop on New changed syllabus of B. Sc. Part-III (CBCS) organized by Dr. Patangrao Kadam Mahavidyalaya Sangli on 12.02.2021.
26. Subject expert in Physics for CHB interviews conducted by YCCS Karad on 22.10.2021
27. Chairperson- National Conference on Advances in Functional and Sustainable Materials organized by S G M college Karad on 08.04.2022
28. Examiner for poster examination - National Conference on Advances in Functional and Sustainable Materials organized by S G M college Karad on 08.04.2022
29. Invited lecture- B. Sc. III Practicals organized by YCCS Karad on 05.05.2022
30. Invited lecture- Three Days national Workshop on NET/SET preparation organized by S G M college, Karad on 12.05.2022.

Participation in BOS workshops

1. **Two day workshop on B. Sc. Part I Revised Syllabus** organized by department of Physics Shivaji University Kolhapur during 24-25 September 2003.
2. **Workshop on draft Syllabus of B. Sc. Part II Physics** organized by Shahajiraje Mahavidyalaya Khatav Dist-Satara on 20.01.2004
3. **Workshop on Revised Syllabus of Physics at B. Sc. Part II** organized by K B P College Urun-Islampur Dist-Sangli during 4-5 August 2004.
4. **Two day workshop on B. Sc. Part III Revised Syllabus** organized by Department of Physics Shivaji University Kolhapur during 17-18 August 2005
5. **Workshop on B. Sc. Part III Revised Syllabus** organized by S M Dr. Bapuji Salunkhe College Miraj on 06.08.2011
6. **One day workshop on Revised Practical Syllabus of B. Sc. III Physics** organized by Balasaheb Desai College, Patan Dist-Satara on 13.08.2012

7. **One day workshop on New Changed Syllabus (CBCS) of B. Sc. Part-I Physics** organized by D P Bhosale College Koregaon Dist-Satara on 24.08.2018.
8. **Workshop on new syllabus of B. Sc. I** of Autonomous College, SGM College, Karad Dist-Satara on 31st July 2019.
9. **Workshop on New changed syllabus of B. Sc. Part-II (CBCS) Practicals** organized by Yashawantrao Chavan College of Science Karad Dist-Satara on 21.08.2019
10. **Workshop on New changed syllabus of B. Sc. Part-II (CBCS)** organized by A.S.C. College Ramanandnagar Dist-Sangli on 23.08.2019
11. **Workshop on New changed syllabus of B. Sc. Part-II (CBCS)** organized by D. P. Bhosale College, Koregaon Dist-Satara on 11.10.2019
12. **BOS subcommittee meeting** for revision of syllabus of B. Sc. II at SGM college Karad on 26.02.2020
13. **BOS subcommittee meeting** for revision of syllabus of B. Sc. III at S U Kolhapur on 27.01.2020
14. **BOS subcommittee meeting** for revision of syllabus of B. Sc. II at S U Kolhapur on 27.03.2021
15. **BOS subcommittee meeting** for revision of syllabus of B. Sc. I and M. Sc. I at SGM college Karad on 25.03.2022
16. **BOS subcommittee meeting** for revision of syllabus of B. Sc. I and M. Sc. I at SGM college Karad on 19.05.22

PARTICULARS OF OTHER ACTIVITIES:

Worked as organizing member of following activities at Shivaji University and Balasaheb Desai College, Patan

1. **National Seminar on Materials Processing and Characterization Techniques NS-MPCT-2005** 28-29th March 05
2. **National Seminar on Materials for Advanced Technologies” NASMAT-2006** at Shivaji University, Kolhapur
3. **Campaign on University Research Training (COURT-2006)**, 6-7th Oct 2006, at Shivaji University, Kolhapur.
4. **Organizing secretary-State Level Workshop on Wind Power** organized by Department of Physics, Balasaheb Desai College Patan during 5-6 March 2007.
5. **Convener-** UGC sponsored state level **“Scientific Models Exhibition and Competition”** organized by Departments of Physics and Chemistry Balasaheb Desai College, Patan during 7-8 March 2008.
6. **Convener-UGC** New Delhi and DRDO New Delhi sponsored state level workshop on **Innovativeness in Physics Teaching** organized by Department of Physics of Balasaheb Desai College, Patan during 4-5 March 2010.
7. **Convener-** Workshop on Revised Practical Syllabus of B. Sc. Part III Physics 13 August 2013.
8. **Co-convener** of National Seminar on Proposed Maharashtra Universities Act-2011 and Quality of Higher Education on 17 February 2013 organized by Shivaji University Teachers’ Association Kolhapur at YCIS Satara
9. **Coordinator-**District Avishkar Research Convention jointly organized by Shivaji University Kolhapur and Balasaheb Desai College, Patan Dist-Satara on 06.01.2020

Member of Professional Bodies

1. President- Shivaji University Teachers Association Satara District
2. Member- Executive Council MFUCTO
3. **President** – IAPT Sub RC-8D Kolhapur region (2022-2024)
4. **EC Member** IAPT RC-8 Maharashtra (2022-2024)
5. **Treasurer and EC member IAPT RC-8 (2014-2019)**
6. **Secretary** Marathi Vidnyan Parishad Karad Vibhag
7. Founder Secretary-**Physics Teachers Association of Shivaji University**
8. Life member of Indian Association of Physics Teachers (IAPT)
9. Member **Maharashtra Sahitya Parishad**
10. Member **Shivaji University Teachers Association (SUTA)**

Participation in NAAC/IQAC/ Professional Development Conferences/Workshops

1. One day Seminar on **Steps towards Assessment and Accreditation by NAAC** organized by M.B.S.K Kanya Mahavidyalay Kadegaon Dist-Sangli on 20.09.2002
2. One day national level NAAC Seminar on **Post Accreditation Phase of Colleges: Action Plan and Activities** jointly organized by Shivaji University Kolhapur and Shivaji University Teachers' Association at Senate Hall Shivaji University, Kolhapur on 08.01.2006
3. One Day State Level Seminar on **Students' Participation in the Enhancement of the Quality of Higher Education: Concepts and Prospectus** organized by Kamala College Kolhapur on 16.09.2006.
4. Two Day State Level Seminar on **Role of IQAC as a tool for Reaccreditation with Special Reference to Student Activities, Progression and Innovative Practices** organized by Yashwantrao Chavan Institute of Science Satara during 10-11 February 2009
5. One day Workshop on **NAAC Accreditation** organized by Yashwantrao Chavan College of Science Karad Dist-Satara on 23.11.2009
6. One day Workshop on **UGC New API Score System: A Way to Personality Enrichment of Teachers** organized by Shivaji University Teachers' Association Kolhapur at D G College of Commerce Satara on 11.03.2012.
7. Workshop on **Benchmarking and Best Practices in Higher Education Institutions** on 6th September 2012 organized by IQAC Shivaji University, Kolhapur.
8. One day **Seminar on Quality of Higher Education and Kakodkar Report** organized by Shivaji University Teachers' Association Kolhapur at Dr. D. Y. Patil Smrutibhavan Kamala College campus Kolhapur on 02.09.2012
9. **National Seminar on Higher Education in 12th Five Year Plan: Agenda, Role of Teachers and Teachers' Movements** organized by AIFUCTO and M. G. Kashi Vidyapith at Sampurnanand Sanskrit University Varanasi during 16-17 December 2012.
10. National Seminar on **Proposed Maharashtra Universities Act and Quality of Higher Education** organized by Shivaji University Teachers' Association at Y. C. Institute of Science Satara on 17.02.2013
11. One day Workshop on **UGC API Score System** organized by Shivaji University Teachers' Association Kolhapur at L B S College Satara on 28.07.2013
12. National Seminar on **Private Universities and Quality of Higher Education** organized by Shivaji University Teachers' Association at Dr. Bapuji Salunkhe Hall Kolhapur on 06.10.2013

13. 27th AIFUCTO Statutory Conference 2013 held at Loyola Hall, St Aloysius College Mangalore, Karnataka from November 30 to December 2013.
14. One day Workshop on **Service Conditions of College Teachers and Maharashtra Universities Act** organized by Shivaji University Teachers' Association Kolhapur at Mathubai Garware Kanya Mahavidyalaya Sangli on 13.07.2013.
15. One day workshop on **Outcome based Modular Syllabus** organized by Internal Quality Assurance Cell of Shivaji University Kolhapur on 06.08.2014.
16. NAAC sponsored Two Day National Seminar on **Quality Enhancement in Teaching- Learning and Evaluation** organized by D G College Satara during 20-21 February 2015.
17. One day Workshop on **The Maharashtra Public Universities Act 2016** organized by Shivaji University Teachers' Association Kolhapur at Balwant College Vita Dist-Sangli on 05.02.2017
18. National Seminar on **New Higher Education Policy: Challenges and Prospectus** organized by Gujrat University Area Teachers' Association at Amba Gujrat during 18-20 December 2015
19. One day workshop **Avishkar** jointly organized by Shivaji University, Kolhapur and S G M College Karad Dist-Satara on 23.11.2017
20. One day workshop on **7th Pay and the Revised API methodology** organized by Shivaji University Teachers' Association Satara at Mahila Mahavidyalay, Karad on 19.04.2019
21. One day workshop on **API and CAS promotion to Professorship** organized by Shivaji University Teachers' Association at Shivaji University, Kolhapur on 06.11.2019
22. One day workshop on **API and CAS promotion to Professorship** organized by Shivaji University Teachers' Association at Shivaji University, Kolhapur on 03.01.2021

Participation in Extra Curricular and Extension Activities

1. Nature Training Camp organized by Sahyadri Adventures Patan at Waghane (Koyana) during 22-24 November 2007.
2. Nature Training Camp organized by Sahyadri Adventures Patan at Kisurale (Ghatmatha) during 25-28 December 2014.
3. Nature Training Camp organized by Sahyadri Adventures Patan at Koyananagar (Humbarali) during 24-27 December 2016.
4. Nature Training Camp organized by Sahyadri Adventures Patan at NAV (Sahyadri Tiger Reserve) during 23-26 December 2017.
5. Nature Training Camp organized by Sahyadri Adventures Patan at Kisurale during 23-26 December 2019.
6. 21st Annual Conference on Some Important Aspects of Mathematics and Student's Carnival organized by SUMS Kolhapur during 14-15 February 2014.

I hereby declare that all the information given above is correct to the best of my knowledge.

Dr. Rajesh K. Nimat