



CURRICULUM-VITAE

- ❖ **Name** DR SUJATA MILIND KASABE
- ❖ **Date of Birth** April 27,1968; Sex: Female; Marital Status: Married
- ❖ **Address** FLAT No.4, “H” Building, Mourya Vihar, Near Sahajanand Society, Kothrud, PUNE-411 038, MAHARASHTRA, INDIA
- Email:**
smw1_06@yahoo.co.in
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- ❖ **You Tube Channel**
https://studio.youtube.com/channel/UCvuzMC9Y88NcBSZ_O2GsxhQ
- ❖ **Place of work** Department of Chemistry, Post-graduate and Research Centre, MES Abasaheb Garware College, Karve Road, Pune-411 004, Maharashtra,
India. Tel. No. (020) 41038263
- **Date of joining** 01/08/1995
- **Present position** Associate Professor in Chemistry
- **Professional Experience** 29years
- **Academic qualifications:**

Degree	Year	University	Subject
B.Sc.	1989	Shivaji University	Chemistry
M.Sc.	1991	Shivaji University	Inorganic Chemistry
B.Ed.	1994	Shivaji University	Science, Math
Ph.D.	2020	SPPU	Chemistry

❖ **Title of the thesis:** “SYNTHESIS AND CHARACTERIZATION OF NANOCRYSTALLINE SEMICONDUCTING CHALCOGENIDES BY NOVEL POLYMER INORGANIC SOLID-STATE REACTION”

❖ **Thesis advisor:** DR DINESH P. AMALNERKAR (Ex-Executive Director – C-MET)

❖ **Broad Area of Research:** Chemistry, Synthesis and characterization of nanomaterials and study of its applications.

❖ **Research Experience:**

Ph.D. Work:

The feasibility of accomplishing novel polymer-inorganic solid-state reaction for simultaneous *IN-SITU* generation of metallic Ag & semiconducting Ag₂S nanostructures in polymer network was demonstrated successfully and also successfully prepared PbS nanorods in Polymer matrix using different metal salts. Familiar with physico-chemical techniques such as XRD,SEM, FESEM,TEM,Uv-visible.

❖ **Research Projects Completed:**

1. Research project entitled “**Synthesis and Characterization of Nanocrystalline semiconducting Chalcogenides by Novel polymer Inorganic Solid-State Reaction**” sponsored by U.G.C., New Delhi (completed).
2. Research project on “**Innovative solid-State method for In-Situ generation of nanocrystals in Polymer**”

➤ **Awards:**

- a. **Best Teacher Award-IIHM-2018**
- b. **Education Excellence Award-ESN-2021**

➤ **Patents National/ international**

Sr. No	Title of Patent	National/ International
1	Green Chemistry Approach to Noble Metal Nanoparticle Formation with Waste Biomass	Indian
2	Eco-Friendly Synthesis of Noble Metal	Indian

	Nanoparticles using Plant Extracts	
3	Modular Design of Nanoemulsion Production Unit	UK

➤ **Recognized Ph.D. Guide of SPPU-2019**

❖ **Chapters in National/ International Book**

Sr No	Title	National/ Internation
1	Challenges of COVID-19 in Higher Education in India & Worldwide	SCHE-DC19-LPIW 2020, ISBN: 978-93-5407-920-7, 2020 Pg.128-130
2	Nutritional Value of Crops Produced in Maharashtra	ESN Publications ISBN: 978-93-90781-05-8, page 1-4
3	Inorganic solid-state reaction technique for the synthesis nanomaterials	Emerging Trends in Science and Technology (ISBN: 978-81-951982-2-1)(www.bhumipublishing.com)
4	Human Population and Environment: Reference to Different Global Aspects,	Environment in 21st Century, https://www.kdpublications.in , ISBN: 978-93-90847-57-0
5	1) Lipids in Foods, 2) Proteins and Amino Acids, 3) Vitamins and Minerals in Foods	Infinite Research ISBN- 978-81-971115-0-1, 01-02-2024

❖ **Chapters Published in Books**

Sr. No.	Book Title	ISBN
1.	Reference book- Hand Book of S-BlockElements	978-93-88441-44-5
2.	Reference book- Essentials of P-BlockElements	978-93-88441-87-2
3.	<u>Text Book of F.Y.B.Sc. -Paper-I</u>	978-93-89739-22-0
4.	Text Book of F.Y.B.Sc. -Paper-II	978-93-89739-39-8
5.	<u>Text Book of S.Y.B.Sc.-CH-301</u>	978-81-946728-4-5
6.	<u>Text Book of S.Y.B.Sc.-CH-302</u>	978-81-946728-3-8
7.	Practical Handbook ofS.Y.B.Sc.	978-93-87020-95-5

8.	S.Y.B.Sc.Pract. Handbook of chemistry(CH-403)	978-93-86951-53-3
9.	Text Book of S.Y.B.Sc.-CH-401	978-93-86951-55-7
10	Text Book of S.Y.B.Sc.-CH-402	978-93-86951-54-0
11	T.Y.B.Sc. Physical Chemistry-I, (CH-501)	978-93-24457-48-2
12	T.Y.B.Sc. Analytical Chemistry (CH-502)	978-93-24457-49-4
13	T.Y.B.Sc. Inorganic Chemistry (CH-504)	978-93-24457-48-1
14	T.Y.B.Sc. Industrial Chemistry (CH-505)	978-93-24457-48-7
15	T.Y.B.Sc. Organic Chemistry (CH-505)	978-93-24457-49-6
16	T.Y.B.Sc. Chemistry of Biomolecules (CH-505)	978-93-24457-49-5
17	T.Y.B.Sc. Introduction to Medicinal Chemistry (CH-510)	978-93-24457-4

❖ **Special contribution :**

- **Elected CDC member**
- **Member of IQAC committee member and In-charge of Criterion V**
- **Coordinator of curricular, co- curricular, extra- curricular activities**
- **In-charge of Nirbhaya Committee**
- **Member of Anti-ragging committee**
- **Generated award for meritorious student**
- **In-charge/Program officer of NSS**
- **In-charge of Students Health check-up Scheme committee**
- **In-charge of admission committee- F.Y., S.Y., T.Y., M.Sc.**
- **Member of Extension activity**
- **Member of Interview panel- - DIAT**
- **Elected as CDC Member- 2023-2028**
- **In-charge/member of Agam Kala Mandal**
- **Worked as Senior Supervisor**
- **In-charge of publication for platinum jubilee year**
- **In-charge of Science Forum**
- **In-charge of Staff Academy**
- **BOS for NEP and Autonomous**
- **Preparation of syllabus for NEP- UG and PG**

❖ **Interview Panel:**

1. **Member: Interview panel : C-MET, Pune**
2. **Member: Interview panel : DIAT, Pune**

➤ **Award Generated for Meritorious Students:**

Cash Amount and Memento: For Post graduate students

Name of Award:

“ Dr. Babasaheb Ambedkar Youte Inspiration Milind Award”

➤ **Corporate Work: Co-ordinator : “ Bachut Gut of BPL women”**

❖ **LIST OF PAPER PUBLICATIONS IN JOURNAL - Dr. Sujata Kasabe**

1. **Sujata Waghmare**, Manish Shinde, Ramkrishna Gholap, N. Koteswara Rao, Tanay Seth, Dinesh Amalnerkar (2008). “Facile single step technique for simultaneous insitu synthesis of Ag/Ag₂S- Polymer Nanocomposites via PPS cyclization Route” **Chemistry Letters**, Vol. 37, No.2,(**Impact factor 1.478**) .
2. **Sujata Waghmare**, Manish Shinde, Ramkrishna Gholap, N. Koteswara Rao, Ranjit 3 Hawaldar, Uttam Mulik, Dinesh Amalnerkar (2009). “Concurrent In situ Formation of Ag / Ag₂S Nanoparticles in Polymer Matrix by Facile Polymer-Inorganic Solid-State Reaction” **Journal of Nano Research**, Vol. 5, 143-152. (**Impact factor 2.567**)
3. **Sujata Waghmare**, Parag Adhyapak, Manish Shinde, Uttam Mulik, Dinesh Amalnerkar (2011). "One-pot synthesis of semiconducting PbS nanorods within polyphenylene sulphide matrix" **Journal of Nanoscience and Nanotechnology**, Vol 11,1-4, (**Impact factor 1.563**)
4. **Sujata Waghmare**, Parag Adhyapak, Manish Shinde, Uttam Mulik, Dinesh Amalnerkar (2013) "Effect of precursors on the solid-state synthesis of semiconducting PbS nanostructures" **Applied Science Innovation Pvt. Ltd. India, Carbon-Science Technology**, 5/2 251-259, (ISSN-0974-0546), (Impact Factor-0.110)
5. **Sujata Kasabe**, Parag Adhyapak, Uttam Mulik, Dinesh Amalnerkar, Chetan Bhongale 7 (2015). “ A Superficial Solid-State Heating Method for the Synthesis of Zinc- Oxide Nanoparticles in Polymer Matrix” **IJITE**, Vol. 09, No.1, (**Impact factor 3.570**) .
6. Dr. Bajirao B. Ahire*,**Dr. Sujata M. Kasabe***, “Environmental Pollution Hazards, Approach towards Generation and Minimization of Wastes” **Aayushi International Interdisciplinary Research Journal** ISSN 2349-638x (**Impact Factor 6.293**), (Special Issue No.80) (Nov. 2020)

7. **Sujata M. Kasabe**¹ and Bajirao B. Ahire², “Role of Calcium in Blood Coagulation”, **International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)**, Volume 2, Issue 2, February 2021, ISSN (Online) 2581-9429 ISSN (Print) 2581-XXXX, (**Impact factor 4.819**)
8. Dr. Bajirao Bhilla Ahire, **Dr. Sujata Milind Kasabe*** Synthesis, Characterization and Antimicrobial Activities of bio functionalized Ag and Au Metal Nano particles: A Review. **Oriental Journal of Chemistry**, April 2021, Volume 37, No. 2.
9. **Dr. Sujata Milind Kasabe***, Dr. Bajirao Bhilla Ahire, Sneha Sharma “Bio-mediated Synthesis of Silver Nanoparticles Using Fruit Extract of *Ananas Comosus* L. Merrill (Pineapple)” **Oriental Journal of Chemistry**, 2021, Volume 37, No. 6, 1371-1375.
10. Dr. Sujata Milind Kasabe*, Dr. Bajirao Bhilla Ahire*, Pandemic COVID-19 Causes and Preventive Measures, **Kanpur Philosophers ISSN 2348-8301 International Journal of humanities, Law and Social Sciences Published biannually by New Archaeological & Genological Society Kanpur India**, Vol. VIII, Issue I (Summer) 2021
11. Dr. Bajirao Bhilla Ahire*, **Dr. Sujata Milind Kasabe*** “Sanshodhanat sandharbh sahitya v sadhanancha prabhavi vapr” **Kanpur Philosophers ISSN 2348-8301 International Journal of humanities, Law and Social Sciences Published biannually by New Archaeological & Genological Society Kanpur India**, Vol. VIII, Issue I (Summer) 2021.
12. Bajirao B. Ahire , **Sujata M. Kasabe**, Archana B. Mali and Vikram R. Jadhav “Development of a Sustainable Dyeing Process for Cotton fabric Utilizing Natural Dyes from *Punica granatum* L. and *Curcuma Longa*”, **Current World Environment, ISSN: 0973-4929, Vol. 19, No. (1) 2024, Pg. 137-145.**
- ❖ Helen Merina Albert, Kalyani Thota, Nandkumar P. Dharmadhikari, **Sujata M. Kasabe**, S. Harinath Babu, R. Priya, S. Farooq, and C. Alosious Gonsago, “Investigations of the structural, spectral, dielectric, and electrical characteristics of l-histidine maleate-(1.5)-hydrate crystals for frequency conversion processes”, **J Mater Sci: Mater Electron**, 35:106, 2024.
13. Vyankati Rama Jadhav , **Sujata Milind Kasabe**, Sopan Mansing Rathod, “Ni²⁺ doped cobalt nano-ferrite for gas sensing application Arati Chandragupta Mehere” **Results in Surfaces and Interfaces**, Volume 18, January 2025, 100461, <https://doi.org/10.1016/j.rsurfi.2025.100461>
14. Ajinkya Thorat, Bajirao Ahire, Anup Kate, Dinesh Amalnerkar, **Sujata Kasabe**, “Synthesis, Characterization of ZnO Nanoparticles and the Impact of Changing the Proportion of Precursor on their Morphology, Average Formation, and Its Antimicrobial activity, **Oriental Journal of Chemistry**, 2025, V-41, pg. 178-184.

15. Ajinkya S. Thorat¹, Bajirao B. Ahire, Chetan J. Bhongale, Sujata M. Kasabe, “Design and synthesis of multi-metal oxide (ZnO-NiO) nanocomposite in polymer (PPS) matrix by solid-state technique and their effect on antimicrobial activity, **Journal of Chemical, Biological and Physical Sciences**, February 2025, Vol.2; 146-155

❖ **List of paper presented/participated in conference/Workshop/Seminar:**

➤ **International:**

1. **Presented** a poster in International conference on “ IXth International conference on the chemistry of selenium” P.K.Khanna, Sandhya Vyas, **Sujata Waghmare**, titled “ An improved and efficient synthesis of bis(Octeno)-1-4-diselenin and its charge transfer with tcnq” organized by IIT Mumbai, *Proceedings- IX International Conference*, p . 5 8, 23-27th February, 2004.
2. **Presented** a research paper in International conference on “NANO Technology Materials and composites for frontier Applications” **Sujata Kasabe**, Parag Adhyapak, Manish Shinde, Uttam Mulik, Dinesh Amalnerkar, titled “One-pot synthesis of of semiconducting PbS Nanorods within PPS matrix” organised by Bharati Vidyapeeth Deemed University, Pune. *Proceedings International conference*.p. **96, 14-15th October, 2010.**
3. **Participated** in the seminar on “ Emerging Trends in Material Science” organised by Dept. of the Chemistry, S.P. College, Pune- 411 030, 18th October, 2011.
4. **Presented** a paper in International conference on “*Business Opportunities in Life Sciences*” Shirish Pingale, Shrikant Shewale, Samir S Shaikh, Dilip B. Satpute, **Sujata M Kasabe (2012)**, titled “Proximate and Phytochemical study of Phyllanthus amarus” organised by Modern College of Arts, Science and Commerce, Pune *Proceedings* p. **42, 28-30 January, 2012.**
5. **Presented a paper in** International conference on “Nanocon 012 IInd” **Sujata Kasabe**, Manish Shinde, Parag Adhyapak, Sopan Rathod, Dilip Satpute, Uttam Mulik, Dinesh Amalnerkar, titled “Effect of the reactant on the solid-state synthesis of semiconducting PbS nanostructure” organised by Bharati Vidyapeeth Deemed University, Pune. *Proceedings* p.**40, 18-19th October, 2012.**
6. **Presented a paper in** International conference on “Nanocon 012 IInd” **Sujata Kasabe**, Tanuja Gumaste, Parag Adhyapak, Uttam Mulik, Dinesh Amalnerkar titled “A superficial solid-state heating method for the synthesis of zinc-oxide nanoparticles in polymer matrix” organised by Bharati Vidyapeeth Deemed University, Pune. *Proceedings* p.**73, 18-19th October, 2012.**
7. **Presented a paper in** International conference on “Nanocon 014 IInd” **Sujata Kasabe**, titled “A superficial solid-state heating method for the synthesis of Zinc

oxide Nanoparticles in polymer matrix” organised by Bharati Vidyapeeth Deemed University, Pune, **114-15thth October, 2014.**

- 8. Participated** in International webinar on “Strategies & Challenges in Higher Education during COVID-19 Lockdown Period in India with reference to the World”, organized by Government Vidharbh Institute Of Science and Humanities, **Certificate ID: 5102020-112213-AM, Certificate No: 7360**, 15th -17th May, 2020.
 - 9. Presented** paper in International webinar on Advances in Materials Science, Ankita Wadte, **Sujata Kasabe***, titled “Green Synthesis of Silver Nanoparticles using Fruit Extract of Ananas Comosus (Pineapple) from Bromeliaceae Family”, organised by Raje Ramrao Mahavidyalay, Jath, Kolhapur, 6th -7th June, 2020.
 - 10. Presented** Paper in International webinar on “Challenges of Covid19 in Higher Education in India and Worldwide”, **Sujata Kasabe***, organized by Government of Maharashtra, Government Vidarbha Institute of Science and Humanities, Amaravati, SCHE-DC19-LPW 2020, Vol.1978-93-5407- 920-7, 15-17th May, 2020.
 - 11. Participated** in International in two days webinar on "Biomedical instrumentation: a boon to healthcare industry - 2020" (BIBHI-2020), organized by Nagpur Shikshan Mandal’s Shri Mathuradas Mohota College of Science, Nagpur, In Association with STAMI, 26-27th June, 2020.
 - 12. Participated** in International one day webinar on “ Problem faced by Women during COVID 19: Impact, Prevention and Migration” organized by Samata Shikshan Sanstha Pune’s Dr. Babasaheb Ambedkar College of Social Work, Morane, Dhule, Maharashtra, India **Certificate No:NB8HY4-CE002187**, 30th June, 2020.
 - 13. Participated** in International webinar on “English Language Teaching Basic Principles and Future Directions” organized by VSM college Ramachandrapuram, Andhra Pradesh, India **VSMENGeC0725**, 16-17th July 2020.
 - 14. Participated** in International webinar on “Novel Applications of Nanomaterials” organized by Prof. Dr.N. D. Patil Mahavidyalaya, Malkapur- Perid, Kolhapur, 18th July, 2020.
 - 15. Participated** in one day International webinar on “Chemical Safety and Security Management” organized by Bhairavnath Vidnyan Mahavidyalaya, Daund, Pune, 20th July 2020.
 - 16. Participated** in one day online International conference on “ Multidisciplinary Approaches to Humanities” titled “Causes and Preventive Measures of Pandemic” organised by Mahatma Phule Shikshan Sanstha’s Karmveer Bhaurao Patil College, Urun Islampur, Sangli (MS, India), 26th March, 2021.
- **National:**
- 1. Participated** in National Seminar on " Research in Chemistry" at College level organized by Dept. of Chemistry MES Abasaheb Garware College, Karve Road

Pune, 12-13th September, 1998.

2. **Presented** a poster in National workshop on "Nanoscience and Nanotechnology", NWNST- 2012, **Sujata Kasabe**, Manish Shinde, Parag Adhupak, Pramod Sonawane, Sopan Rathod, Dilip Satpute, Uttam Mulik, Dinesh Amalnerkar, **titled** – "In-situ formation of Metallic Nickel and Nickel Sulphide nanoparticles Via solid-solid route in polymer matrix" organised by MIT college of Engineering, Pune, ***Proceedings National Workshop, 6-7 January, 2012.***
3. **Participated** in three days National Seminar on "Recent Advances in Chemical and Environmental Science" organized by Dept. of Chemistry, Prof. Ramkrishna More Arts Commerce and Science College, Akurdi, Pune, 10-12th February, 2012.
4. **Participated** in National Conference on "Characterisation techniques for physical, chemical and biological analysis" organized by Waghire college, Saswad, 1-3rd March, 2012.
5. **Participated** in one day National Seminar on "Higgs Boson-The God Particle" organized by Abeda Inamdar Senior Collge Of Arts, Science, and Commerce, Pune, 1st September, 2012.
6. **Presented a paper/poster in** two days National Seminar on "Role of Green Chemistry In Environment pollution (ROGCIEP-2012), titled "Development of Inorganic Polymer nano composite system" organised by Anandrao Dhonde Alias Babaji Arts, commerce and Science college, Beed, 21-22 December, 2012.
7. **Presented a paper/poster in** two days National Seminar on "Recent Trends in Chemical And Material Science" Shirish Pingale, Dilip B. Satpute, **Sujata M Kasabe**, **titled** "Phytochemical Screening of Euphorbia hirta" organised by YM College, Bharati Vidyapeeth Deemed University, Pune. ***Proceedings National Seminar. p. 39, 12-13th January, 2013.***
8. **Presented a paper/poster in** two days National Seminar on "Recent Trends in Chemical And Material Science" **Sujata Kasabe**, Manish Shinde, Parag Adhupak, Sopan Rathod, Dilip Satpute, Uttam Mulik, Dinesh Amalnerkar, titled "Inexpensive laboratory technique for the synthesis of Ni nanoparticles using simple solid-state route" organised by YM College, Bharati Vidyapeeth Deemed University, Pune, ***Proceedings National Seminar. p. 41, 14-15th January, 2013.***
9. **Presented a paper/poster in** two days National Seminar on "Recent Trends in Chemical And Material Science" Hari Pawar, **Sujata Kasabe**, **titled** "Synthesis of chiral amine-embedded pharmaceuticals drug" organised by YM College, Bharati Vidyapeeth Deemed University, Pune, ***Proceedings National Semina,. p. 41 14-15th January, 2013.***
10. **Presented a paper/poster in** two days National Seminar on "Recent Trends in Chemical And Material Science" Sagar Dakhane, **Sujata Kasabe**, Vaibhav Acham, **titled** "Synthesis and characterisation of Cu(II) mononuclear complex with schiff's base and its catalytic activity" organised by YM College, Bharati Vidyapeeth Deemed University, Pune, ***Proceedings National Seminar, 14-15th January, 2013.***
11. **Presented a paper/poster in** two days National Seminar on "Recent Trends in Chemical And Material Science" P.D. Sonawane, S.S. Jagtap, **S.M. Kasabe**, S.M.

Rathod, **titled** “Synthesis and characterisation of copper-zinc ferrite sample in aloe vera solution by sol-gel autocombustion method”. organised by YM College, Bharati Vidyapeeth Deemed University, Pune, *Proceedings National Seminar. p. 86, 14-15th January, 2013.*

12. **Presented a poster in National conference on “Chemistry of Chalcogens” Sujata Kasabe**, Manish Shinde, Parag Adhyapak, Pramod Sonawane, Sopan Rathod, Dilip Satpute, Uttam Mulik, Dinesh Amalnerkar, **titled** “Consequence of different inorganic salt for the synthesis Ag/AgS nanoparticles by using simple solid-state method” organised by Defence Institute of Advance Technology (Deemed University), Girinagar, Pune, *Proceedings National conference. p.51, 14-15th January, 2013.*
13. **Presented a poster in National conference on “Chemistry of Chalcogens” Sujata Kasabe**, **titled** “Comparative study of Ni nanoparticle by using solid-state method” organised by Defence Institute of Advance Technology (Deemed University), Girinagar, Pune, *Proceedings National conference. p.52, 14-15th January, 2013.*
14. **Presented a poster in National conference on “Chemistry of Chalcogens” Sujata Kasabe**, Manish Shinde, Parag Adhyapak, Uttam Mulik, Dinesh Amalnerkar, organised by Defence Institute of Advance Technology (Deemed University), Girinagar, Pune, *Proceedings National conference. p.73, 12-13th January, 2015.*
15. **Presented** a research paper in two days **National conference** on “Advances in Applied, Physical, Chemical and Life Sciences” titled “Nontoxic Method For the Synthesis of Zinc Oxide Nanoparticles at Low temperature in Chemistry” organised by Defence Institute of Advance Technology (Deemed University), Girinagar, Pune, **3-4th February, 2016.**
16. **Participated** in two days National Webinar on “CAS Promotion-issues and E Content Development”, organized by Shikshan Maharshi Dnyandeo Mohekar Mahavidyalay , Kalamb, White Code **Certificate ID:W2792**, 1-2nd May, 2020.
17. **Presented** Paper in National webinar on “Strategies for Extension as a Social Responsibility: Perspectives of Higher Education”, “ **EDUCATION FOR ALL AND RIGHT TO EDUCATION**”, **Sujata Kasabe*** organized by Savitribai Phule Pune University, Department of Lifelong Learning and Extension, **Certificate No: SPPU/DLLAE/PVG/ 130**, 13th May, 2020.
18. **Participated** in National workshop, “Academic Book Writing and Related Topics”, organized by SPRINGER NATURE, 13th May 2020.
19. **Participated** in National webinar on “Patent, Copyright, Trademark & GI Intellectual Property Right” organized by Marathwada Mitra Mandal college Of Commerce with SPPU, **Certificate ID:W4579**, 18th – 19th May , 2020.
20. **Participated** in National webinar on “Role of Non-Teaching Staff in Accreditation and Quality Enhancement of Higher Education Institutions” organized by IQAC Cluster India and White Code Technology Solutions PVT. LTD. White Code, **Certificate ID:W13717** 20th May – 23rd May, 2020.
21. **Participated** in National Webinar on “Digital Transformation: eClassrooms and LMS” organized by Shri Surupsing Hirya Naik College of Education, Navapur, 7th

July, 2020.

22. **Participated** in National webinar on “Digital Era in Higher Education” organized by Shri Shivaji College, Parbhani and Shivaji College, Hingoli ,**E-Certificate Id:SC-IQAC-CLLW- 2020**, 12th June, 2020.
23. **Participated** in National webinar on “Rebooting the Indian Higher Education System: A March towards self-reliance” organized by MES Garware College of Commerce, Pune, 16th June, 2020.
24. **Participated** in National webinar on “COVID-19: Crisis, Effects, Challenges, and Innovations” organized by Annasaheb Gundewar College, Nagpur, 16th -17th June, 2020.
25. **Participated** in National webinar on “Scientific Tools to Boost Immunity and Mental Health” organized by Samaj Shikshan Mandal’s Amruteshwar Arts, Commerce and Science College, Vinzar, Tal-Velhe, Dist-Pune 412213, 43CTNS-CE000578, 6-10th July, 2020 .
26. **Participated** in National webinar on “Pandemic and Challenge before higher education”, organized by Sardar Patel Mahavidyalay, Chandrapur. E-Certificate Id: SPM_DPSci_141, 8th July, 2020.
27. Participated in National webinar on “Indo China relations: historical and geographical perspective”, organized by Professor Dr N D Patil Mahavidyalaya, Malkapur-Perid, Kolhapur, **Certificate ID:EMORFG-CE000506**, 20th July, 2020.
28. **Participated** in National webinar on “Wellness”, organized by Smt. Surajdevi Ramchand Mohata Mahila Mahavidyalaya, Khamgaon, 21st July, 2020.
29. **Participated** in three days’ Faculty Enrichment Program on “Rethinking on Quality Teaching and Academic Strategies in Higher Education”, organized by Department of Hotel Management and Catering Science, G.T.N. Arts College (Autonomous), 21-23rd July, 2020.
30. **Participated** in National Webinar on “Revised Accreditation framework of NAAC”, organized by Internal Quality Assurance Cell of Punyshlok Ahilyadevi Holkar Solapur University, Solapur, 27th July, 2020.
31. **Participated** in National webinar on “Documentation For Revised NAAC Assessment and Accreditation” organized by Late Pushpadevi Patil Arts and science College, Risod Dist. Washim, 28th July, 2020.
32. **Participated** in One day National Workshop on “STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES (SPSS) organized by DESHBHAKTA SAMBAJIRAO GARAD COLLEGE, MOHOL,Solapur, 2nd November, 2020.

➤ **State:**

1. **Participated** in two days’ workshop on “ Microscale Techniques in Inorganic Chemistry” organized by Dept. of Chemistry MES Abasaheb Garware College, Karve, 25t- 26th June, 2001.
2. **Participated** in one day workshop on “ F.Y.B.Sc. syllabus revision” organized by

Dept. of Chemistry Annasaheb Magar Mahavidyalaya, Hadapsar, Pune, 11th March, 2002.

3. **Participated** in State Level Seminar on "Nanostructure Semiconductor Material" organized by Mahatma Phule Mahavidyalaya, Pimpry, Pune, 27-28 January, 2007
4. **Presented a poster** in "Raman memorial conference" organised by Department of Physics, 25-26th January, 2011.
5. **Participated** in State Level Workshop on "Microscale Techniques in Physical chemistry" organized by Dept. of Chemistry, Abasaheb Garware College , Pune, 21-22 February, 2012.
6. **Participated** in one day workshop on "Revision of F.Y. B.Sc Chemistry Syllabus" organized by Dept. of Chemistry, Abasaheb Garware College , Pune-4, 26th February, 2013.
7. **Participated** in one day workshop on "Implementation of credit system for PG Course in Colleges Affiliated to University Of Pune" organized by Internal Quality Assurance Cell (IQAC) , Abasaheb Garware College , Pune, 13th February, 2013.
8. **Presented** a paper/poster "Innovative solid-state method for in-situ .. matrix" in regional research conference "Innovation-2015" organized by Sahakar Maharshi Bhasaheb Santuji Thorat College, Sangamner, 4-5th July, 2015.
9. **Presented** a paper in State level Seminar on "Green Approach in Material Chemistry", organized by Department of Chemistry, Bharatiya Jain Sanghatana's Arts, Science and Commerce College, Wagholi, Pune, 8-9th February, 2016.
10. **Presented** a paper/poster in regional research conference on "Innovative solid-state method for in-situ .. matrix" "Innovation-2016" organised by Baburaoji Gholap College, **Pune**, 7th July, 2016.
11. **Participated** in two days State level workshop on "Topics in Chemistry", organised by MES, Abasaheb Garware College, Pune, 7-8th February, 2017.
12. **Participated** in two days State level workshop on "New Approach towards Nanotechnology", organised by MES, Abasaheb Garware College, Pune, 7 -8th December, 2017.
13. **Participated** in one day workshop on "Thermal Analysis-DSC, TGA and DMA", organised by Venture Center, Pune, 7th August, 2019.
14. **Participated** in four day "Capacity Building ICT Workshop", organized by IQAC and Department of Computer Science of Abasaheb Garware College, started on 29th April, 2020.
15. **Participated** in State level workshop, "NAAC revised reaccreditation framework", organised by Abasaheb Garware College, 29th May, 2020.
16. **Participated** in One day workshop on "NAAC Revised Accreditation framework", organized by Rayat Shikshan Sanstha's Yashvantrao Chavan Institute of Science (Autonomus) Sadar Bazar, Satara, 1st June, 2020.
17. **Participated** in One day state level webinar on "Latest UGC API Norms for PBAS, organized by Internal Quality Assurance Cell (IQAC) of Shivaji College, Hingoli, 14th June, 2020.

18. **Participated** in State level workshop on “Single Crystal Perovskite: Next wave of photovoltaic Technology” organised by Raje Ramrao Mahavidyalaya, Jath, 14th June 2020.
19. **Participated** in State level webinar on “Recent NAAC procedures for assessment and accreditation” organised by Rashtriya Uchchar Shiksha Abhiyan, Maharashtra and joint director, higher education, Nagpur region, 17th June, 2020.
20. **Participated** in Yoga day, “Yoga-technology to develop interest in science and technology” organised by Abasaheb Garware college, Pune, 21st June, 2020.
21. **Participated** in State level webinar on “Guru Shishya Parampara aaj ka Vidyarthi” organised by GS Tompe Arts Commerce and Science College Chandur Bazar, 5th July, 2020.
22. **Participated** in State level webinar on “Role of English language in creating career opportunity” , organised by S.V.D. Government Degree College (W), Andhra Pradesh, 12th July, 2020.
23. **Participated** in one day workshop on “Bootcamp on FYUP- NEP 2020” organized by MES Abasaheb Garware College, Karve Road, Pune, 18th January, 2023.