

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
Mobile: 9766552422
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
Present position Assistant Professor in Chemistry

Academic qualifications

Degree	Year	Institute
B.Sc. (Chemistry)	April 1989	Shivaji University
M.Sc. (Inorganic Chemistry)	April 1991	Shivaji University
Ph.D. (Chemistry)	April 2010	C-MET, Pune University

Title of thesis: "SYNTHESIS AND CHARACTERISATION OF
NANOCRYSTALLINE SEMICONDUCTING CHALCOGENIDES BY
NOVEL POLYMER INORGANIC SOLID-STATE REACTION"

Thesis advisor: DR DINESH P. AMALNERKAR

Broad Area of Research: Chemistry, Synthesis and characterisation 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 Undertaken:

1. Research project entitled "Synthesis and Characterisation 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

3. International Best Teacher Award-IIHM – 2018

4. Recognition as Ph.D. Guide-2019

5. Books Published

Sr. No.	Book Title	Year	ISBN
1.	Reference book- Hand Book of S-Block Elements	February 2019	978-93-88441-44-5
2.	Reference book- Essentials of P-Block Elements	2019	978-93-88441-87-2
3.	Text Book of F.Y.B.Sc. - Paper-I	2019	978-93-89739-22-0
4.	Text Book of F.Y.B.Sc. - Paper-II	2019	978-93-89739-39-8
5.	Text Book of S.Y.B.Sc.- CH-301	2020	978-81-946728-4-5
6.	Text Book of S.Y.B.Sc.- CH-302	2020	978-81-946728-3-8
7.	Book-SCHE-DC-LPIW 2020	2020	978-93-5407-920-7
8.	Practical Handbook of S.Y.B.Sc.	2020	978-93-87020-95-5

9. LIST OF PUBLICATIONS - Dr. Sujata Kasabe

1. **Sujata Waghmare**, Manish Shinde, Ramkrishna Gholap, N. Koteswara Rao, Tanay Seth, Dinesh Amalnerkar(2008). “Facile single step technique for simultaneous in-situ 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

- Hawaladar, 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
 5. **Participated** in National Seminar on " Research in Chemistry" at College level held at Dept. of Chemistry MES Abasaheb Garware College, Karve Road Pune-4, September 12-13, 1998
 - 6 . P.K.Khanna*,Sandhya Vyas, **Sujata Waghmare (2004)**. An improved and efficient synthesis of bis(Octeno)-1-4-diselenin and its charge transfer with tcnq. *Proceedings in IX International Conference*, p . 5 8 , IIT Mumbai.
 7. **Participated** in State Level Seminar on "Nanostructure Semiconductor Material" held at Mahatma Phule Mahavidyalaya, Pimpry, Pune-17, January 27 & 28, 2007
 8. **Sujata Kasabe**, Parag Adhyapak, Manish Shinde, Uttam Mulik, Dinesh Amalnerkar(2010). One-pot synthesis of of semiconducting PbS Nanorods within PPS matrix. *Proceedings International conference.p. 96*. NANO Technology Materials and composites for frontier Applications Bharati Vidyapeeth Deemed University, Pune.

9. Participated in the seminar on “ Emerging Trends in Material Science” held at Dept. of the Chemistry, S.P. College, Pune- 411 030, on October 18 , 2011.
10. **Sujata Kasabe**, Manish Shinde, Parag Adhupak, Pramod Sonawane, Sopan Rathod, Dilip Satpute, Uttam Mulik, Dinesh Amalnerkar(2012). In-situ formation of Metallic Nickel and Nickel Sulphide nanoparticles Via solid-solid route in polymer matrix. *Proceedings National Workshop* on "Nanoscience and Nanotechnology", NWNST-2012, p.1, MITCOE, Pune.
11. Shirish Pingale, Shrikant Shewale, Samir S Shaikh, Dilip B. Satpute, **Sujata M Kasabe (2012)**. Proximate and Phytochemical study of Phyllanthus amarus; *Proceedings International conference on Business Opportunities in Life Sciences*. p. 42 Modern College of Arts, Science and Commerce
12. **Participated** in three days National Seminar on “ Recent Advances in Chemical and Environmental Science” Organized by Dept. of Chemistry, held at Prof. Ramkrishna More Arts Commerce and Science College, Akurdi, Pune, February 2012
13. **Participated** in State Level Workshop on “Microscale Techniques in Physical chemistry” organized by Dept. of Chemistry, Abasaheb Garware College , Pune-4, February,2012.
14. **Presented poster** in a three days National Seminar on "Frontiers in Physics-V” organized by Astro club. Dept. of Physics, Ferguson College, Pune
15. **Participated** in National Conference on “ Characterisation Techniques for Physical, Chemical and Biological Analysis”, held at Waghire College, Saswad, Pune on 1st -3rd March 2012

16. Dr. Dilip B. Satpute, **Dr. S. M. Kasabe**, Dr. S.S Pingale (2012). Environmental pollution control through horticulture. *Proceedings National Seminar*.p.2. Role of Green chemistry in Environmental Pollution. Anandrao Dhonde Allias Babaji Arts commerce and Science college, Kada, Beed .
17. **Sujata Kasabe**, Manish Shinde, Parag Adhypak, Dilip Satpute, Uttam Mulik, Dinesh Amalnerkar(2012). Development of Inorganic-Polymer nanocomposite system. *Proceedings National Seminar* p.7. Role of Green chemistry in Environmental Pollution. Anandrao Dhonde Allias Babaji Arts commerce and Science college,Kada, Beed .
18. **Sujata Kasabe**, Manish Shinde, Parag Adhypak, Sopan Rathod, Dilip Satpute, Uttam Mulik, Dinesh Amalnerkar (2012). Effect of the reactant on the soli-state synthesis of semiconducting PbS. *Proceedings Nanocon 012 IInd* International conference p.40. Bharati Vidyapeeth Deemed University, Pune.
19. Shirish Pingale, Dilip B. Satpute, **Sujata M Kasabe** (2013). Phytochemical Screening of Euphobia hirta. *Proceedings National Seminar*. p. 39 “Recent Trends in Chemical And Material Science” YM College, Bharati Vidyapeeth Deemed University, Pune.
20. **Sujata Kasabe**, Manish Shinde, Parag Adhypak, Sopan Rathod, Dilip Satpute, Uttam Mulik, Dinesh Amalnerkar(2013). Inexpensive laboratory technique for the synthesis of Ni nanoparticles using simple solid-state route. *Proceedings National Seminar*. p. 41 “Recent Trends in Chemical And Material Science” YM College, Bharati Vidyapeeth Deemed University, Pune
21. Hari Pawar, **Sujata Kasabe**(2013). Synthesis of chiral amine-embedded pharmaceuticals drug. *Proceedings National Seminar*. p. 41 “Recent Trends in Chemical And Material Science” YM College, Bharati Vidyapeeth Deemed University, Pune

22. Sagar Dakhane, **Sujata Kasabe**, Vaibhav Acham(2013). Synthesis and characterisation of Cu(II) mononuclear complex with schiff's base and its catalytic activity. *Proceedings National Seminar*. p. 43 “Recent Trends in Chemical And Material Science” YM College, Bharati Vidyapeeth Deemed University, Pune
23. P.D. Sonawane,S.S. Jagtap, **S.M. Kasabe**, S.M. Rathod (2013)). Synthesis and characterisation of copper-zinc ferrite sample in aloe vera solution by sol-gel autocombustion method. *Proceedings National Seminar*. p. 86 “Recent Trends in Chemical And Material Science” Bharati Vidyapeeth Deemed University, Pune
24. **Sujata Kasabe**, Manish Shinde, Parag Adhypak, Pramod Sonawane, Sopan Rathod, Dilip Satpute, Uttam Mulik, Dinesh Amalnerkar(2013). Consequence of different inorganic salt for the synthesis Ag/AgS nanoparticles by using simple solid-state method. *Proceedings National conference*. p.51 Chemistry of Chalcogens. DIAT, Pune
25. **Sujata Kasabe**(2013). Comparative study of Ni nanoparticle by using solid-state method. *Proceedings National conference*. p.52 Chemistry of Chalcogens. DIAT, Pune.
26. **Sujata Kasabe**, Tanuja Gumaste, Parag Adhypak, Uttam Mulik, Dinesh Amalnerkar(2014). A superficial solid-state heating method for the synthesis of zinc-oxide nanoparticles in polymer matrix. *Proceedings Nanocon 014 3rd International conference* p.73. Bharati Vidyapeeth Deemed University, Pune.
27. **Sujata Kasabe**, Manish Shinde, Parag Adhypak, Uttam Mulik, Dinesh Amalnerkar(2015). Synthesis of zinc-oxide nanoparticles in polymer matrix. *Proceedings National conference*. p.73 Chemistry of Chalcogens. DIAT, Pune.
28. **Sujata Kasabe**, Parag Adhyapak, Uttam Mulik, Dinesh Amalnerkar, Chetan Bhongale

(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) .

2016-17

29. Participated in State level workshop, “Topics in Chemistry”, MES, Abasaheb Garware College,Pune, 7-8th February 2017.
30. Participated in State level workshop, “New Approach towards Nanotechnology”, MES, Abasaheb Garware College,Pune, 7 -8th December 2017.

2019-20

31. Participated in **International webinar** “Strategies & Challenges in Higher Education during COVID-19 Lockdown Period in India with reference to the World”, Government Vidharbh Institute Of Science and Humanities,**Certificate ID: 5102020-112213-AM, Certificate No: 7360**, 15th -17th May, 2020.
32. **Presented paper in International webinar “Green Synthesis of Silver Nanoparticles using Fruit Extract of Ananas Comosus (Pineapple) from Bromeliaceae Family”,** Ankita Wadte, **Sujata Kasabe***,Advances in Materials Science, 6th -7th June, 2020.
33. Participated in two days **National Webinar** “CAS Promotion-issues and E Content Development”, White Code **Certificate ID:W2792**, 1st -2nd May, 2020
34. **Presented Paper in National** webinar, “Strategies for Extension as a Social Responsibility: Perspectives of Higher Education”, “ **EDUCATION FOR ALL AND RIGHT TO EDUCATION**”, **Sujata Kasabe***, Savitribai Phule Pune University, Department of Lifelong Learning and Extension,**Certificate No: SPPU/DLLAE/PVG/130**, 13th May, 2020.
35. Participated in **National** workshop, “Academic Book Writing”, Springer Nature, 13th May 2020.
36. Participated in **National** webinar “Patent, Copyright, Trademark & GI (Intellectual Property Right)”, Marathwada Mitra Mandal college Of Commerce with SPPU, **Certificate ID:W4579**, 18th – 19th May , 2020.

37. Participated in **National** webinar, “Role of Non-Teaching Staff in Accreditation and Quality Enhancement of Higher Education Institutions”, White Code, **Certificate ID:W1371720**th May – 23rd May, 2020.
 38. Participated in **National** webinar, “Digital Era in Higher Education”, Shri Shivaji College, Parbhani and Shivaji College, Hingoli ,**E-Certificate Id:SC-IQAC-CLLW-2020**, 12th June, 2020.
 39. Participated in **State level** workshop, “NAAC revised reaccreditation framework”, Abasaheb Garware College, 29th may 2020.
 40. Participated in **State level** workshop, “Internal Quality Assurance cell (IQAC)”, Shivaji College, Hingoli, 14th June 2020.
 41. Participated in **State level** workshop, “Single Crystal Perovskite: Next wave of photovoltaic Technology, “Raje Ramrao Mahavidyalaya, Jath, 14th June 2020.
- 2020-21**
42. **Presented Paper in International webinar** “Challenges of Covid19 in Higher Education in India and Worldwide”, **Sujata Kasabe***,SCHE-DC19-LPW 2020, Vol.1978-93-5407-920-7.
 43. Participated in **International** in two days webinar "Biomedical instrumentation: a boon to healthcare industry - 2020" (BIBHI-2020), Nagpur Shikshan Mandal’s Shri Mathuradas Mohota College of Science, Nagpur, In Association with STAMI, 26th -27th June, 2020
 44. Participated in **International** one day webinar Samata Shikshan Sanstha Pune’s Dr. Babasaheb Ambedkar College of Social Work, Morane, Dhule, Maharashtra, India **Certificate No:NB8HY4-CE002187**, 30th June, 2020.
 45. Participated in **International** webinar “English Language Teaching Basic Principles and Future Directions”, VSM college Ramachandrapuram, Andhra Pradesh, India **VSMENGeC0725**, 16th and 17th July 2020
 46. Participated in **International** webinar “Novel Applications of Nanomaterials”, Prof. Dr. N. D. Patil Mahavidyalaya, Malkapur- Perid, Kolhapur, 18th July, 2020.

47. Participated in **International** webinar “Chemical Safety and Security Management”, Bhairavnath vidnyan Mahavidyalaya, Daund, Pune, 20th July 2020
48. Participated in **International** webinar “Scope of Chemistry in Scientific Research”, Rayat Shikshan Sanstha’s S.M.Joshi College, Hadpsar, 30th July 2020
49. Participated in **National** webinar, “Rebooting the Indian Higher Education System: A March towards self-reliance, MES Garware College of Commerce, Pune, 16th June, 2020
50. Participated in **National** webinar, “COVID-19: Crisis, Effects, Challenges, and Innovations”, Annasaheb Gundewar College, Nagpur, 16th -17th June, 2020.
51. Participated in **National** webinar, “The Pandemonium of Covid-19 Pandemic- An Analysis of the Scenario and Policy Leverage”, Department of Commerce S.V.R.K. Government Degree College [M] Nidadavole, 30th June, 2020.
52. Participated in **National** webinar, “Scientific Tools to Boost Immunity and Mental Health, Samaj Shikshan Mandal’s Amruteshwar Arts, Commerce and Science College, Vinzar, Tal-Velhe, Dist-Pune 412213, 43CTNS-CE000578, 6th -10th July, 2020 .
53. Participated in **National** webinar, “Digital Transformation : e-Classrooms & LMS”.
54. Adivasi Seva Sahayyak & Shikshan Prasarak Sanstha’s Shri. Surupsing Hirya Naik College of Education Navapur, Dist. Nandurbar, Certificate No. 2020/SSHN/«755»,7th July, 2020.
55. Participated in **National** webinar, “Pandemic and Challenge before higher education”, Sardar Patl Mahavidyalay, Chandrapur.E-Certificate Id: SPM_DPSci_141, 8th July 2020
56. Participated in **National** webinar, “E-resources for Teaching, Learning, Research and IPR”, MIT, Arts, commerce, and Science College, Alandi, Pune, 10th -11th July, 2020.
57. Participated in **National** webinar, “Indo China relations: historical and geographical perspective”, Professor Dr N D Patil Mahavidyalaya, Malkapur-Perid, Kolhapur, **Certificate ID:EMORFG-CE000506**, 20th July 2020.

58. Participated in **National** webinar, “Wellness”, Smt. Surajdevi Ramchand Mohata Mahila Mahavidyalaya, Khamgaon, 21th July, 2020.
59. Participated in **National** webinar, “Documentation For Revised NAAC Assessment and Accreditation”, Late Pushpadevi Patil Arts and science College, Risod Dist. Washim, 28th July 2020.
60. Participated in **State level** webinar, “Recent NAAC procedures for assessment and accreditation”, Rashtriya Uchcharat Shiksha Abhiyan, Maharashtra and joint director, higher education, Nagpur region, 17th June 2020.
61. Participated in **Yoga day**, “Yoga-technology to develop interest in science and technology”, Abasaheb Garware college, Pune, 21st June 2020.
62. Participated in **State level** webinar, “Guru Shishya Parampara aaj ka Vidyarthi”, GS Tompe Arts Commerce and Science College Chandur Bazar, 5th July 2020.
63. Participated in **State level** webinar, “Role of English language in creating career opportunity” , svd Government Degree College, Andhra Pradesh, 12th July 2020.

- **Co-ordinator:**

Co-ordinator for Curricular, co-curricular, extra curricular activity of Abasaheb Garware college-2016-17

- **Program officer of NSS**
- **In-charge - Prevention of Sexual Harassment of Women " Nirbhaya"**

Members

1. **Member** - IQAC committee
2. **Member** - AQAR committee
3. **NSS** : Programme Officer
4. **Health Check up Committee-** Member for Ten Years

5. **In- charge** - Health Check up Committee - From last two years .
6. **In-charge** - Admission committee- F.Y.B.Sc., T.Y.B.Sc.,M.Sc.
7. **In-charge**- Students Support Committee
8. **Co-ordinator**- NET-SET workshop

- **Interview Panel:**

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

- **Award Generated For Meritorious Student:**

Cash Amount and Memento

Meritorious Student of Post Graduate Level :

Name of Award:

" Dr. Babasaheb Ambedkar Youth Inspiration Milind Award"

- **Corporate Work: For Poor Women**

Co-ordinator: Bachat Gut