Teacher Profile

Dr. D. R. Thube
Professor and Head, Department of Chemistry

1. Personal Details

1) Name : **Dr. Dilip Raosaheb Thube**
2) Address : SARVARTH, College Road, Parner, 414 302
3) Email : drthube@rediffmail.com
4) Mobile : 9423161413
5) PAN No. : AASPT5377R
6) AADHAR No. : 869129366579
7) Date of Birth : 01.01.1970
8) Qualification : M.Sc., Ph.D., NET, SET
9) **Designation** : Professor of Chemistry, Head, Vice Principal
10) Department : **Chemistry**
11) **Date of Joining** : 20.08.1993
12) Experience : **a) Teaching : UG- 29 PG- 16 Years**

b) Research : 27 Years

c) Examination: Paper Setter : 20 Years
Jr/Sr. Supervisor : 29 Years
Examiner/Moderator : 24 Years

2. Educational Details

Degree	Board/ University	Year of Passing	Percentage Marks	Grade/ Class	Rank Holder
BSc	Pune University, Pune	1991	77.71 %		--
MSc	Pune University, Pune	1993	71.40 %		10th Rank
SET	Maharashtra State, SPPU, Pune	1995	Qualified by Examination		--
NET	CSIR, New Delhi	1997	Qualified by Examination		--

Ph. D.	Pune University, Pune	2002	Qualified by Examination	--
Post-Doc	KRICT, Daejeon, South Korea	2009	Selected on the basis of application and research career	

3. Participation in Conference/ Seminar/Workshop: 98

Name of The Conference	**Date of conference**	**State/ National/ International**	**Organizer/ attended/ Resource Person**
1. XIIth Annual Conference of Indian Council of Chemists, Warangal (A.P.)	Dec. 1993	National	Attended
2. XIIIth Annual Conference of Indian Council of Chemists, Jammu (J & K).	Oct. 1994	National	Attended
3. 32nd Annual Convention of Chemists, India, Dec. 1995, Jaipur (Rajasthan), India.	Dec. 1995	National	Attended
4. XIVth Annual Conference of Indian Council of Chemists, ISc, Mumbai (MS).	Dec. 1995	National	Attended
5. 'Susamvad' Pune University Golden Jubilee Research Students Seminar, Pune, India	Dec. 1998	National	Attended
6. Proceedings of XVIIIth Annual Conference of Indian Council of Chemist, Jalgaon (MS), India	Dec-1999	National	Attended
7. International Symposium On Advances In Bioinorganic Chemistry, TIFR, Mumbai (MS), India.	Nov 20-25, 2000	International	Attended
8. 5th National Symposium on Chemistry, Central Leather Research Institute, Chennai, India.	Feb 7-9, 2003	National	Attended

9. 6th National Symposium on Chemistry, I.I.T. Kanpur, India.	Feb 3-8, 2004	National	Attended
10. The Spring Meeting and 33rd Conference of The Korean Institute of Resources Recycling, SNU, Seoul, South Korea.	May 21-22, 2009	International	Attended
11. The Spring Meeting and 33rd Conference of The Korean Institute of Resources Recycling, SNU, Seoul, South Korea.	May 21-22, 2009	International	Attended
12. Workshop on Photocatalysis and its applications in Environmental Cleanup, Chengpeyong, South Korea.	June 25, 2009	International	Resource Person
13. The 10th International Symposium on East Asian Resources Recycling Technology (EARTH 2009), Jeju, South KOREA.	November 2 - 6, 2009	International	Attended
14. International Conference on Emerging Trends in Chemistry, University of Pune, Pune, India.	January 5-7, 2010	International	Attended
15. International Workshop and Symposium on the Synthesis and Characterization of Glass/Glass-Ceramics(IWSSCGGC-2010), Centre for Materials for Electronics Technology (C-MET), Pune, India.	July 7-10, 2010	International	Attended
16. National Conference on Applications of Spectroscopic Methods in Chemical Sciences (ASMCS-2010), NACS College, Parner, India.	January 12-13, 2010	National	Attended
17. National Conference on Application of Chemical Research in Pharmaceutics, A S C College, Rahata, India.	February 4-6, 2011	National	Attended

18. National Seminar on Exploring New Horizons in Chemical Sciences (Chemizon-2011), ,S S College, Beed, India.	December 29-30, 2011	National	Attended
19. National seminar on recent Advances in Chemical and Environmental Sciences (RACES-2012), Prof. Ramkrishna More College of ACS, Akurdi, Pune, India.	February 10-12, 2012	National	Attended
20. National conference on Recent Trends in Nano Sciences (RTNS-2012), Birla College of Arts, Commerce and Science, Kalyan, India.	March1-2,, 2012	National	Attended
21. 2nd International Conference on Emerging Trends in Chemical Sciences, (ETCS-2012), Solapur University, Solapur, India.	November 2-4, 2012	International	Attended
22. National Conference on Physics of Nanomaterials and Applications (NCPNA-2012),DBF Dayanand College of Arts and Science, Solapur, India.	December 14-15, 2012	National	Attended
23. INSPIRE INTERNSHIP CAMP -2012,Shri Dhokeshwar College Takali Dhokeshvar, Tal-Parner, Dist-Ahmednagar,	1ST DEC. 2012	National	Resource person
24. INSPIRE CAMP- 2012, New Arts, Commerce and Science College, Parner, Dist- Ahmednagar ,	16TH DEC 2012	National	Resource person
25. National Conference on Role of Green Chemistry in Engineering Pollution (ROGCIEP-2012), ADABACS College, Kada, Beed, India.	2012	National	Attended

26. International Conference on Spirituality and Social Work, Center for Studies in Rural Development, Institute for Social Work and Research, India.	January 3-5, 2013	International	Attended
27. International Conference on Recent Trends in Applied Physics and Material Science (RAM 2013), Govt. College of Engineering and Technology, Bikaner, India.	February 1-2, 2013	International	Attended
28. National Seminar on Green Approach in Applied Sciences (2012-2013), Govt. Dada Patil Mahavidyalaya, Karjat, India.	March 14-15, 2013	National	Attended
29. National Conference on Upcoming Trends in Chemical Science UTCS-2013, Shri Anand College of Science, Pathardi.	September, 6-7, 2013	National	Attended
30. National Seminar on Disaster Management and Safety Awareness in Laboratories and Offices, Dada Patil College, Karjat (MS), India.	11th October 2013	National	Resource person
31. 7th National Teachers Science Congress 2013, (NCSTC-DST) AF School of Engineering and Technology, Dhauj, Faridabad, HARYANA, INDIA,	14-17 Dec. 2013.	National	Attended
32. The 15th IUMRS-International Conference in Asia (IUMRS-ICA 2014), A-8 : Photocatalytic Materials and Applications on Energy and Environment, Fukuoka University, Fukuoka, **Japan**.	24-30 August 2014	International	Attended
33. National Conference on Frontiers of Chemistry and Materials NCFCM-2015, at TC College, Baramati, INDIA	12th -14th February 2015	National	Resource person

34. National Conference on Innovative Research Techniques in Chemical and Physical Sciences (IRTCPS), at SSGM College, Kopargaon, INDIA	7th -8th August 2015	National	Resource Person
35. National Conference on Innovative Research Techniques in Chemical and Physical Sciences (IRTCPS), SSGM College, Kopargaon, INDIA	7th -8th August 2015	National	Attended
36. International Conference on New Horizons in Synthetic and materials Chemistry (ICSMC-2015), at University of Mumbai, Mumbai, INDIA	26-28th November 2015	International	Attended
37. 18th International Workshop on Physics of Semiconductor Devices (IWPSD-2015), at Indian Institute of Science Bangalore (Karnataka), INDIA	7-10th December 2015	International	Attended
38. National Conference on Recent Developments in Chemical Sciences (RDCS-2015), at Radhabai Kale Mahila Mahavidyalaya Ahmednagar (MS), INDIA	22-23rd December 2015	National	Resource Person
39. National Conference on New Trends in Developments in Physics (NTDP-2016), New Arts, Commerce and Science College Parner, Ahmednagar (MS), INDIA	8-9th January 2016	National	Attended
40. National Conference on Recent Trends in Green Chemistry (RTGC-2016), Jijamata College of Science and Arts, Bhende Bk, Newasa, Ahmednagar (MS), INDIA	12-13th January 2016	National	Resource Person
41. 3rd International Conference on HERBAL AND SYNTHETIC DRUG STUDIES, (HSDS-2016), at Abeda Inamdar Senior College of	07th To 09th January, 2016	International	Attended

Arts, Science & Commerce, Pune (MS), INDIA			
42. International Conference on Impact of Chemical Research On Environment (ICRE 2016) at New Arts, Commerce and Science College Parner, Ahmednagar (MS), INDIA	2016	International	Attended
43. International Conference on "Functional Eco-friendly Smart Emerging Materials" [FESEM-2016], YASHADA,BG College Sangvi, Pune (MS), INDIA	10-12th March 2016	International	Attended
44. National Seminar on "Spectroscopy in Chemistry and Laboratory Safety",Shri Chhatrapati Shivaji College, Shrigonda (MS), INDIA	24-25th December 2016		
45. State Level Seminar on "Gateway to NET-SET Examination in Chemical Sciences", M J S College, Shrigonda (MS), INDIA	19-20th January 2017	State	Resource Person
46. International Conference on GO GREEN, C T Bora College, Shirur,	12-13 Jan. 2017	International	Attended
47. International Workshop on RBPT, IISER, Pune (MS), INDIA	26 Feb- 1 March 2017	International	Attended
48. 20th CRSI-NSC, Guwahati University, Guwahati (Assam), INDIA	2-5 Feb 2017	National	Attended
49. State Level Seminar on "Green Chemistry",R.B.N.B College, Srirampur, (MS), INDIA	09th December 2017	State	Resource person
50. National Conference on Bioinspired materials in Science, New Arts, Commerce and Science College,		National	Resource person

Ahmednagar, 414 001 (MS), (Savitribai Phule Pune University, Pune) INDIA			
51. National Conference on Recent Advances in Chemical and Biochemical Sciences, A. A. College, Manchar, Pune. (MS), (SPPU, Pune) INDIA	30 January 2018,	National	Resource person
52. National Conference on Recent Advances in Chemical and Biochemical Sciences, ACS College, Sonai, Newasa , Ahmednagar. (MS), (SPPU, Pune) INDIA	16 February 2018,	National	Resource person
53. CSIR-NET ORIENTATION PROGRAM in Chemical Sciences, , Sangamner College, Sangamner, Ahmednagar. (MS), (SPPU, Pune) INDIA	05th March 2018	National	Resource person
54. Faculty Development Program for IQAC Coordinators, 24-30 June 2018, DAV Velankar College of Commerce, Solapur University, Solapur.	27th June 2018,	National	Resource person
55. International Conference on Polymerization Catalysis, Flexible Polymer and Nanotechnology, Dubai, UAE.	06-07 September 2018	International	Resource person
56. National Seminar on Recent Trends in Nanotechnology, Maharaja Jivajirao Shinde Mahavidyalaya, Shrigonda, Ahmednagar (MS), INDIA	30-31st January 2019	National	Resource person
57. National conference on "Recent Advancement in Natural Products Chemistry and Nanotechnology", Hemvati Nandan Bahuguna	9-10 September 2019	National	Resource person

Garhwal University, Srinagar Garhwal Uttarakhand, INDIA.			
58. National Seminar on Applications of Green Catalyst and Green Solvent for Sustainable Industrial Development, Dada Patil College, Karjat, Ahmednagar (MS), INDIA	23-24th January 2020	National	Resource person
59. National Seminar on Natural Resource Management and Sustainable Development, ACS and CS College Ashwi, Ahmednagar (MS), INDIA.	23-24th January 2020	National	Resource person
60. National Seminar on Interdisciplinary Research in Chemical and Life Sciences MJS College Shrigonda, Ahmednagar (MS), INDIA.	17-18th February 2020	National	Resource person
61. Concepts in Science and Skill Development Program, by Knowledge Cluster (PKC) and District Institute of Education and Training (DIET)	13 December 2021	National	Resource person
62. NET SET Preparation Workshop (Chemical Sciences) Fergusson College, Pune (Autonomous) 20 April 2022	18-20 April 2022	National	Resource person
63. 2nd National Workshop on Practicing NET / SET Examinations in Chemical Sciences, 23rd April to	1st May, 2022, 28 April 2022	National	Resource person
64. Faculty Development Program in Chemical Sciences NACS College, Parner, Ahmednagar (MS), and Govt. Digvijay College, Rajanandgaon, (CG) INDIA, 9th June 2022.	8-15th June 2022	National	Resource person

65. National Webinar on "IEEE 802.11 and Building Wireless Community Networks", Shivaji University, Kolhapur.	22 May 2020,	National	Attended
66. National Webinar on "Preparation of SOPs and Policy Documents for NAAC Accreditation",Bharat College of Arts and Commerce, Badlapur, Mumbai.	15 June 2020,	National	attended
67. **Webinar** UGC PARAMARSH Scheme Mentee Institution Orientation Workshop III,NACS College, Ahmednagar.	18 June 2020	National	Attended
68. **International Webinar** Future and Prospect of Higher Education after Lockdown, Ashoka International Center for Educational Studies and Research, Nashik.	20-21 June 2020	National	Attended
69. **International Conference on** Eradication of Biological and Chemical Weapons MIT World Peace University, Pune.	23-26 June 2020,	**International**	Attended
70. **National Seminar** for Training on RUSA WEB BASED SOFTWARE APPLICATION, Mithibhai College, Mumbai	8 July 2020,	National	Attended
71. **Webinar** Mentee Institution Orientation Workshop V, SM Mahavidyalaya, Nighoj.	07 July 2020,	National	Attended
72. **Webinar** Mentee Institution Orientation Workshop VI, Janata Mahavidyalaya, Rui Chattishi, Ahmednagar	16 July 2020,	National	Attended
73. National **Webinar** on Motivation and Life in Pandemic Situation,	21 July 2020	National	Attended

NACS College, Parner, Ahmednagar.			
74. **Webinar** Mentee Institution Orientation Workshop VII, Rajarshi Shahu Mahavidyalaya, Deolali Pravara, Rahuri, Ahmednagar.	24 July 2020	National	Attended
75. National **Webinar** on Conversation Skills and Personality Development, NACS College, Parner, Ahmednagar	24 July 2020	National	Attended
76. National **Webinar** on Fundamental Duties of Indian Citizen, NACS College, Parner, Ahmednagar.	29 July 2020,	National	Attended
77. National **Webinar** on Impact of COVID-19 on Environment: Geoanalysis, NACS College, Parner, Ahmednagar	31 July 2020,	National	Attended
78. National **Webinar** on Impact of COVID-19 on Indian Economy, NACS College, Parner, Ahmednagar.	5 August 2020	National	Attended
79. National **Webinar** on Effect of Lockdown on Environment, NACS College, Parner, Ahmednagar.	7 August 2020,	National	Attended
80. **Webinar** Mentee Institution Orientation Workshop VIII, IHMCT, Ahmednagar.	7 August 2020	National	Attended
81. National **Webinar** on Student Induction NACS College, Parner, Ahmednagar.	11 August 2020,	National	attended
82. National **Webinar** on Green Approaches in Drug Chemistry, S S Mahavidyalaya Beed	13 August 2020,	National	Attended

83. National **Webinar** on Stress Management, NACS College, Parner, Ahmednagar	20 August 2020,	National	Attended
84. Online **Workshop** on SYBSc Chemistry Revised Syllabus, NACS College, Parner, Ahmednagar	26 August 2020,	National	Attended
85. National **Webinar** on Towards Excellence in Higher Education in India in 21st Century,PMMMNMTT of MHRD University of Delhi.	28 August 2020	National	Attended
86. **International Webinar** on Research-Another Call for Young Minds, NACS College, Parner. (Organized by Alumni Association).	03 October 2020	National	Attended
87. **National Webinar on** Drug Discovery and Development (DDD-2020),Radhabai Kale Mahila Mahavidyalaya, Ahmednagar, India	16-17 October 2020	National	Attended
88. **National Webinar on** Roadmap to Competitive Examinations in Chemical Sciences (RCECS-2020) NACS College, Parner, Ahmednagar, India	24 October 2020	National	Attended
89. **National Webinar** on "Intellectual Property Rights" Organized by Association of Chemistry Teachers (ACT), North Zone In association with Department of Chemistry Dayanand Anglo-Vedic (PG) College, Kanpur (U.P.) ACT Research Convention 2020.	19 December 2020.	National	Attended
90. Invited Talk on NEP 2020: Impact on Higher Education, Hinjlicut College (Autonomous), Ganjam, Odisha,	12 Nov 2020	National	Resource Person

91. **National Webinar on** National Education Policy (NEP-2020) NACS College, Parner, Ahmednagar, India	8 February 2021,	National	Attended
92. Invited Talk Online Workshop on M.Sc. II (Inorganic and Biochemistry) Syllabus restructure (CBCS-2020) organized by Department of Chemistry, New Arts, Commerce, and Science College, Ahmednagar.	4 December 2020.	National	Resource Person
93. Invited Talk A Workshop on MSc II Chemistry (Analytical /Organic and Drug) CBCS 2020 PVP College, Loni.	27 November 2020.	National	Resource Person
94. UNIVERSITY DISTINGUISHED LECTURE SERIES, "Philosophy of Ultimate Success in Scientific Life" delivered by Prof. D. Basavaiah, SRM University-AP.	28th Nov 2020.	National	attended
95. **National Webinar** on "Investment Opportunities in Pandemic Situation" NACS College, Parner.	13 July 2021.	National	Attended
96. **Invited Talk-** FDP on UG Syllabus of Chemistry (CBCS 2019), Inorganic Chemistry, AA ACS College, and Manchar.	31 July 2021.	National	Resource Person
97. Invited Talk- Inorganic Chemistry for Entrance Exam, KLE CS College Mumbai,	3-27 August 2021	National	Resource Person
98. Invited Talk- Workshop on Syllabus of TYBSc Chemistry (CBCS 2019), Inorganic Chemistry, Prof Ramkrishna More ASC College, Akurdi,	30 August 2021.	National	Attended

Research

Research Interest:

- ✔ Polynuclear mixed valence transition metal complexes
- ✔ Molecular magnetism in coordination polymers
- ✔ Redox Enzyme and their activity studies
- ✔ UV-Visible Light Photocatalysis using supported titania Nanocomposites
- ✔ Y_2O_3 and doped Y_2O_3 nanocomposites
- ✔ Photochromic smart materials for solar light applications
- ✔ Heterocyclic Compounds with Biological Potential
- ✔ Synthesis of Bioactive Molecules
- ✔ ESIPT

1) Research Project: 03

Name of Project	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency
1. *Ab-Initio*, Density Functional and Experimental Studies on Structure and Vibrational Frequencies of The Quinone Based Ligands.	January 2002 to January, 2004	50000	2	University Grants Commission (UGC),
2. Theoretical Studies on Metal Complexes with Quinone Based Ligands.	January 2006 to January, 2008.	55000	2	University Grants Commission (UGC), Govt. of India, New Delhi

2) Research Publications

a. Books, Papers Published in National/International Conference/Workshop proceedings: **19**

Sr. No.	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher

1.	TYBSC Inorganic Chemistry, CH-332	-	-	-	-	2004		NACSC Parner	SUNNY Publication
2.	SYBSC Inorganic Chemistry, CH-221	-	-	-	-	2003		NACSC Parner	SUNNY Publication
3.	TYBSC Practical Agriculture and Dairy Chemistry, CH-346	-	-	-	-	2004		NACSC ,Parner	SUNNY Publication
4.	TYBSC Inorganic Chemistry, CH-332	-	-	-	-	2010		NACSC ,Parner	NIRALI Publication
5.	TYBSC Inorganic Chemistry, CH-342	-	-	-	-	2010		NACSC ,Parner	NIRALI Publication
6.	TYBSC Practical Chemistry, CH-347,348,349	-	-	-	-	2010		NACSC ,Parner	NIRALI Publication
7.	FYBSC Practical Chemistry, CH-III	-	-	-	-	2013.		NACSC ,Parner	NIRALI Publication
8.	SYBSC Practical	--	--	--	--	2014.		NACSC ,Parner	NIRALI Publication

	Chemistry CH-223								
9.	TYBSc Inorganic Chemistry, CH-332	--	--	--	--	2015.	978-93-516 45-80-1	NACSC ,Parner	NIRALI Publication
10.	TYBSc Inorganic Chemistry, CH-342	--	--	--	--	2015.	978-93-516 4-917-5	NACSC ,Parner	NIRALI Publication
11.	TYBSc Practical Chemistry, CH-347, CH-348, CH-349	--	--	--	--	2015.		NACSC ,Parner	NIRALI Publication
12.	FYBSC Practical Chemistry, CH-103, CH-203	--	--	--	--	2019.	978-93-894 06-51-1	NACSC ,Parner	NIRALI Publication
13.	SYBSC Inorganic & Organic Chemistry, CH-302	--	--	--	--	2020.	978-93-902 25-36-1	NACSC ,Parner	NIRALI Publication
14.	SYBSC Inorganic & Organic Chemistry, CH-402.	--	--	--	--	2020	978-93-905 06-97-2	NACSC ,Parner	NIRALI Publication
15.	SYBSC Practical Chemistry, CH-303, and CH-403.	--	--	--	--	2020.	978-93-904 37-84-9	NACSC ,Parner	NIRALI Publication

16.	TYBSC Inorganic Chemistry, CH-504.	--	--	--	--	2021.	978-93-5451-348-0	NACSC ,Parner	NIRALI Publication
17.	TYBSC Practical Chemistry, CH-603, 606, 609	--	--	--	--	2022	978-93-5451-409-8	NACSC ,Parner	NIRALI Publication
18.	TYBSC Inorganic Chemistry, CH-604	--	--	--	--	2022	978-93-5451-474-6	NACSC ,Parner	NIRALI Publication
19.	TYBSC Practical Chemistry, CH-506, CH-606	--	--	--	--	2022	978-93-5451-311-4	NACSC ,Parner	NIRALI Publication

b. Journal Publications: **34**

Sr. No.	**Title of paper**	**Name of the author/s**	**Name of journal**	**Year of publication**	**ISSN number**	**Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (DOI) number**		
						Link to website of the Journal	**Link to article/paper/abstract of the article**	**Is it listed UGC Care**
1.	A Ferro- And Antiferromaganetically Coupled Binuclear Manganese (II, III) Complex of An Orthofunctionalized	S. Y. Rane, E. M. Khan, **D. R. Thube**, S. K. Date, P. P.	Indian J. Chem.	2000	0975-0975	---------	http://nopr.niscpr.res.in/bitstream/12345678	Yes

	Paranaphthoquinone: Synthesis And Characterization By TG, Thermochromic, CV, Magnetic And EPR Studies.	Bakare And S. B. Padhye					9/21202/1/IJCA%2039A%2811%29%201117-1123.pdf	
2.	Hartree Fock And Density Functional Studies On The Structure And Vibrational Frequencies Of Quinone Derived Schiff's Base Ligand	**Dilip R. Thube**, Nilesh R. Dhumal, Sandhya, Y. Rane, and Shridhar P. Gejji	J. Mol. Struct. (Theochem)	2002	0166-1280	---------	https://doi.org/10.1016/S0166-1280(01)00724-2	Yes
3.	Spin Quantitation In Structural Analogue of Active Form of Galactose Oxidase, Indian	S. Y. Rane, **D. R. Thube**, S. K. Ingale and D. Srinivas	Indian J. Chem.	2002	0376-4710	http://nopr.niscair.res.in/handle/123456789/59		Yes
4.	Theoretical Investigations on The Structure And Vibrational Frequencies of Schiff's Base Ligand 3-Salicyaldiminobiuret.	**Dilip R. Thube**, Nilesh R. Dhumal, Sandhya, Y. Rane, And Shridhar P. Gejji	J. Mol. Struct. (Theochem)	2002	0166-1280	---------	http://dx.doi.org/10.1016/S0166-1280(02)00042-8	Yes
4.	Theoretical and experimental investigations on the structure and vibrational spectra of 2-hydroxy-3-methyl-1, 4-naphthoquinone-1-oxime,	**Dilip R. Thube**, Ashwini V. Todkary, Kaustubh A. Joshi, Sandhya Y.	J. Mol. Struct.	2003	0166-1280	---------	http://dx.doi.org/10.1016/S0166-1280(02	Yes

		Rane and Shridhar P. Gejji Sunita A. Salunke, Jurtme Marrot and Franŋois Varret,					)00646-2	
5.	Ab initio and Density functional studies on the structure and vibrational spectra of 2-hydroxy-1,4- naphthoquinone-1-oxime derivatives,	Kaustubh A. Joshi, **Dilip R. Thube**, Sandhya Y. Rane and Shridhar P. Gejji,	Theo. Chem. Acc.	2003	1432-881X		http://dx.doi.org/10.1007/s00214-003-0480-0	Yes
6.	Energetics of model compounds of Water Oxidizing Complex containing Quinone cofactors: TG-DTA and PXRD studies.	Ashwini V. Todkary, S. B. Zaware, **D. R. Thube**, S. Y. Rane, J. V. Yakhmi,	J. Therm. Anal and Calorim.,	2005	1388-6150		http://dx.doi.org/10.1007/s10973-005-0748-9	Yes
7.	Calcium aluminate phosphor supported TiO_2 nanoparticles.	**Dilip R. Thube**, Jinhwan Kim, Suk-min Kang and Hojin Ryu	Journal of Korean Institute of Resources Recycling,	2005	1225-8326].		G704-000412.2009.18.4.009	Yes
8.	Oxygen Reduction Reaction evaluation of synthesized 20% Pt/C with Heat Treatment by Chemical Reaction Method,	Jinhwan Kim, Suk-min Kang, **Dilip R. Thube** and Hojin Ryu,	Journal of Korean Institute of Resources Recycling	2009	1225-8326].		https://www.researchgate.net/publication/289544362_	Yes

9.	Synthesis and Oxygen Reduction Reaction Evaluation and of Pt/C for Polymer Electrolyte Fuel Cell,	Jinhwan Kim, Suk-Min Kang, **Dilip R. Thube** and Hojin Ryu,	J. Kor. Inst. Met.& Mater.	2009	1738-8228].	https://www.scimagojr.com/journalsearch.php?q=590015331 3&tip=sid		Yes
10.	Effect of B_2O_3 on the Photoluminescence properties of $Sr_4Al_{14}O_{25}:Eu^{2+}$, Dy^{3+} phosphor, , 12(2), 40-44 Published	**Dilip R. Thube**, Suk-min Kang and Hojin Ryu	Geosystem Engineering,	**2009**	1226-9328		https://doi.org/10.1080/12269328.2009.10541294	Yes
11.	TiO_2 nanocomposite Based Visible Light Photocatalyst: Synthesis and Characterization.	S. L. Kadam and **D. R. Thube**	SPEIL Darpan, An International Peer Reviewed Research Journal	**2016**	0802 4448]			Yes
12.	Synthesis and Characterization of A Visible Light Photocatalyst,	**Dilip. R. Thube** and Hojin Ryu,	CTBC's International Research Journal-Proceedings of International Conference on GO GREEN	**2017**	2202-2821	https://www.interesjournals.org/		Yes
13.	Synthesis and Characterization of Some New Thiadiazole, Triazole And Thiazole	**Dilip R. Thube***, Bhausaheb K. Karale,	Indian Journal of Heterocyclic Chemistry	**2017**	0971-1627	https://connectjournals.com/ijhc		Yes

	Derivatives, , 367-372, [ISSN :]	Vaibhav P. Landage,						
14.	Synthesis and Characterization of Gd doped Y_2O_3 Phosphor Material, , , 87-90,. [ISSN:]	Kale Sanjay R and **Thube Dilip R***	Int. Res. J. of Science & Engineering, Special Issue A1	**2017**	2322-0015	https://www.irjse.in/		Yes
15.	Novel supported TiO2 nanocomposites: An efficient photocatalyst for water cleaning technology.	**Dilip R Thube**	J Nanomater Mol Nanotechnol	**2018**	2157-7439			Yes
16.	Synthesis and Antibacterial screening c novel thiazolyl pyrazole and benzoxzole.	**Dilip R. Thube***, Bhausaheb K. Karale, Vaibhav P. Landage	Oriental J. Chem.,	**2019**	0970 - 020X		http://dx.doi.org/10.13005/ojc/350164	Yes
17.	Synthesis And Characterization Of Some Benzofuran Anchored Heterocycles.	S. G. Kundlikar, **D R**, **Thube et.al**	Int. J. of Scientific Research and Analytical Reviews	2019	2348-1269	https://www.ijrar.org/		Yes
18.	Green Synthesis and Characterization of Y2O3 Nanoparticles.	Kale Sanjay R and **Thube Dilip R***	Int. J. of Scientific Research	**2020**	2455-2631	https://www.worldwidejournals.com/international-journal-of-scientific-research-(IJSR)/		Yes

19.	Synthesis of New Thiazole Anchored N'-Benzylidene Carbohydrazide and 1,3,4-Oxadiazole Derivatives by Conventional and Microwave Irradiation Methods.	Vaibhav P. Landage , Hemantkumar N. Akolkar , **Dilip R. Thube***, Bhausaheb K. Karale,	Ind. J. Hetero. Chem,	**2020**	0971-1627	https://connectjournals.com/ijhc		Yes
20.	eco- friendly synthesis of new thiazole anchored n'-benzylidene carbohydrazide derivatives,	Vaibhav P. Landage 1, Hemant N. Akolkar, **Dilip R. Thube*** and Bhausaheb K. Karale,	International Multidisciplinary Multilingual Peer Reviewed Research Journal	**2020**	2424-7073	https://www.scimagojr.com/journalsearch.php?q=14000155855&tip=sid		
21.	Studies on antibacterial activity of Aegle Marmelos mediated Y203 nanoparticles.	Kale Sanjay R, V.S. Garule, K. R. Jagtap and **Thube Dilip R**	Journal of Engineering Technologies and Innovative Research	**2021**	2349-5162	https://www.jetir.org/		Yes
22.	New Mn(II), Co(II), Ni(II) and Cu(II) homoleptic complexes with 6-chloro-5-7-dimethyl-4oxo-4H-chromene-3-carbaldehydes and its heteroleptic complexes with quinoline-8 ol: synthesis, characterization and antimicrobial activity.	Nitin H. Kolhe, **Dilip R. Thube** et al.	*Res Chem Intermed*	**2021**	0922-6168	https://www.springer.com/journal/11164		Yes

23.	Weddings- Challenges to Indian Perspective: An Overview Through Scientific Research, , 9(3), 886-891,	R. S. Diggikar and **D. R. Thube**,	Journal of Modern Thamizh Research	**2021**	2321-984X	https://portal.issn.org/resource/ISSN/2321-984X		Yes
24.	Green approach towards the synthesis of Novel Schiff's bases.	**A.J. Dhole** and **D. R. Thube**,	Wesleyan J. Res.	2021	0975-1386	www.wesleyanjournal.in		Yes
25.	A phosphor -TiO_2 nanocomposite as a visible light photocatalyst: synthesis and characterization.	**Dilip. R. Thube**, Rahul S. Diggikar, Sukadeo L. Kadam, Bharat B. Kale, Tae-Sun Chang and Hojin Ryu,	Wesleyan J. Res.,	2021	0975-1386	www.wesleyanjournal.in		Yes
26.	Eco-Friendly Approach to Synthesis of 2, 3-Diphenyl Quinoxaline Using Lignin@SO3H as a Novel, Efficient and Reusable Heterogeneous Catalyst.	B. S. Narsale, A. G. Gadhave and **D. R. Thube**,	Wesleyan J. Res	2021	0975-1386	www.wesleyanjournal.in		Yes
27.	Synthesis and characterization of benzofuran anchored novel pyrazolines.	**S. G. Kundlikar**, M. G. Babar, S. S. Sondkar and **D. R. Thube**	Wesleyan J. Res	2021	0975-1386	www.wesleyanjournal.in		Yes
28.	Synthesis of Chalcones Containing Quinoxaline acts as Synthons for Range of	Sagar R. Shrimandilka	Wesleyan J. Res.,	2021	0975-1386	www.wesleyanjournal.in		Yes

	Heterocycles, 40 (25) 97-102,	r and **Dilip R. Thube**,						
29.	Synthesis and Characterization of Y_2O_3 powders by Homogenous Co-precipitation method.	Sanjay R. Kale and **Dilip R. Thube**	Wesleyan J. Res	2021	0975-1386	www.wesleyanjournal.in		Yes
30.	Synthesis and characterization of some new thiazolyl Schiff base-metal complexes.	Vaibhav P. Landage, Rahul S. Bhondave, Bhausaheb K. Karale, **Dilip R. Thube**	Wesleyan J. Res.,	2021	0975-1386	www.wesleyanjournal.in		Yes
31.	Analysis of Calcium (Ca) in Chocolates by Volumetric and Flame Photometric Methods.	Pravin N. Daule, Sagar D. Mhaske, Puja P. Zaware, **Dilip R. Thube**, Bhausaheb S. Narsale, Sarita G. Kundlikar and Santosh B. Katariya,	Wesleyan J. Res.	2021	0975-1386	www.wesleyanjournal.in		Yes
32.	42. Design, synthesis and characterization of novel fluorinated styryl chromones	S G Kundlikar*[a], P J Jojar[a], M S Tarade[a], Y R Thorat[a], **D R Thube[a]**, B K Karale[b], H N Akolkar[b] & S D Mhaske[c]	Ind. J. Chem.	2022	0975-0983	http://nopr.niscair.res.in/handle/123456789/60		Yes

33.	One Pot Approach of Novel Xanthan Perchloric Acid Catalyst in Synthesis of Bis(indolyl)methane Derivatives via Greener Perspective	B. S. Narsale, A. G. Gadhave and **D. R. Thube***	Polycyclic Aromatic Compounds	2022	1040-6638 Online 1563-5333	https://www.tandfonline.com/loi/gpol20	https://doi.org/10.1080/10406638.2022.2108075	Yes
34.	Estimation of particle size and micro strain in Europium doped Yttrium oxide nanoparticle synthesized by homogenous coprecipitation method.	Sanjay R. Kale and Dilip R. Thube,	Journal of Emerging Technology and Innovative Research(JETIR),	**2022**	2349-5162	https://www.jetir.org/		Yes

c. Research Guidance (M. Phil/Ph. D/ Project): 07

i. Recognition Number

Name of the Student	Topic	Year of Registration	Awarded/ Ongoing	Date of Declaration
1. Sanjay Rangnath Kale	Synthesis, Characterization and Applications of inner transition metal doped phosphor material.	29.01.2016	SPPU, Pune	**Awarded** 22.07.2022
2. Landage Vaibhav Prabhakar	Synthesis and biological screening of thiazole Anchored Azoles and Chromones.	29/04/2016	SPPU, Pune	**Awarded** 24.03.2022
3. Sangram Ashok Salve	Organic transformation in the task specific ionic liquids.	14.03.2018	SPPU, Pune	Ongoing
4. Bhausaheb	Application of	07.04.2021	SPPU,	Ongoing

Sahebrao Narsale	biopolymer derived catalyst in multicomponent synthesis		Pune	
5. Anil Jalinder Dhole	Excited State Intramolecular Proton Transfer and Aggregation Induced Emissive Fluorophores: Synthesis and Photophysical Properties Study	07.06.2022	SPPU, Pune	Ongoing

4. Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc: 09

Name of Programme	Subject	Place	Date(s)	Funding Agency
Refresher	1. Refresher Course on Computers in Chemistry	Department of Chemistry, University of Pune	02.03.1998 to 28.03.1998 3 Weeks	UGC, New Delhi
Refresher	2. Refresher Course on Computers in Chemistry	Department of Chemistry, University of Pune	04.06.1999 to 01.07.1999 3 Weeks	UGC, New Delhi
Refresher	3. Refresher in Chemistry	Department of Chemistry, Shivaji University, Kolhapur	15.02.2005 to 07.03.2005 3 Weeks	UGC, New Delhi
Refresher	4. Online Refresher Course in Chemistry	SGTB Khalsa College, University of Delhi	Nov 2019-Feb 2020 16.02.2020	UGC, New Delhi
FDP	5. **Training** on "Introduction to Computers"	IIT Bombay.	January 2020,	MHRD, GoI
FDP	6. "Comprehensive e-Learning to e-Training Guide for Administrative Work"	Ramanujan College, New Delhi.	May 25, to June 05, 2020,	MHRD, GoI

FDP	7. "Creating Tech-Savy Teachers for Future Classrooms', 6-10 June 2020 Institute of Education, SantaCruz, Mumbai, India.	Institute of Education, Santacruz, Mumbai, India	6-10 June 2020.	MHRD, GoI
FDP	8. NAAC: AQAR Submission in the Revised Format	Bhavan's College, Mumbai.	1-6 February 2021	MHRD, GoI
FDP	9. UG Syllabus of Chemistry (CBCS 2019), Inorganic Chemistry.	AA ACS College, Manchar	31 July 2021	MHRD, GoI

10. Co-curricular, Extension and Outreach activities (Please give details of only your participation)

Name of the Activity	**Date**	**Participation**

11. Achievements, Awards & recognition received, membership of professional organization/ academic bodies: 05

Name of the Award	**Awarding Agency**	**Date**	**Remarks**
1. M.Sc. Chemistry 10th Rank	SPPU, Pune	05.07.1993	Ranked
2. NCL-M.Sc. Entrance Examination with	NCL	1991	Qualified

20th rank at All India Level			
3. CSIR-NET Examination	CSIR	December, 1997.	Qualified
4. SET Examination	Savitribai Phule pune university pune.	January 8, 1995	Qualified
5. Brain Pool Post-Doctoral Research Fellowship of Government of South Korea and worked as an International Scientist.	Korea Research Institute of Chemical Technology (KRICT), Daejeon, South Korea	October 2008 to September 2009.	Qualified
6. Most Inspirational Teacher Award	COSME	2023	Awarded by Recommendation

12. Membership of Professional Organizations/Academic Bodies: 04

Name of Organization	**Member/Life Member**
1. Indian Science Congress Association (ISCA) **(Sectional President) L.M. No. 10462**	Life Member,
2. L Life Member, Association of Chemistry Teachers, Promoting Excellence in Chemistry Education, **L.M. No. 181.**	Life Member.
3. MMaterials Research Society of India (MRSI), **L.M. B. 1533**	Life Member.
4. GGreen ThinkerZ™ Society September 2020 **LM 0021**	Life Member.

13. Contribution to College Development

a. Curriculum design (Certificate Course/ B. Voc. etc)
   1.
   2.
   3.

b. Responsibility-:

Sr. No.	**Name of Committee**	**Chairman/ Member**
1.	IQAC (from 2017)	Coordinator
2.	DST-FIST (from 2014)	Coordinator
3.	RUSA 2019	Nodal Officer
4.	CDC [2017-2022]	Member
5.	LMC [2012-2015]	Member
6.	Hostel In charge	Member
7.	College Examination Officer [2012-2015]	Member
8.	CEO-online QPD, Barcoding	Member
9.	NAAC-IQAC Steering Committee	Member
10.	Patent Officer IIC, NACSP, 2019	Chairman
11.	Affiliations Comm. For New Courses- Perm. Affln. PG Courses	Chairman
12.	Established SP Pune University Recognized Research Center in Chemistry	Member
13.	Established linkages with KRICT, South Korea, 3 students are pursuing Ph.D.	Member
14.	Stock Verification of College	Member
15.	Organized 8 National and International Conferences and events, ASMCS-2010, MSWLC-2011,2012,2013, 2017, NET-SET-2011, ICRE-2016, POGIL-2016, Chemistry Exhibitions to school students-Popularization of Chemistry	Member
16.	Organized Campus Interviews and Personality Development Workshops	Member

17.	Established Micro scale Chemistry Experiments	
18.	UGC Proposals and Correspondence Committee [2005-2008]	Member
19.	Executive and Examination Committee- National Chemistry Olympiad, INChO-2016, 2017 at HBCSE, Mumbai	Member
20.	FYBSc Students-Opportunity to participate in International Conference ICONSAT-2016 held at IISER Pune	
21.	Organized CHEMIAD, ACT Contech Test	Chairman
22.	Endowment Prizes, Donations to Institute and Schools, Health Relief Funds	Member
23.	Career Counseling to wards of farming/economically deprived community	Member
24.	Free of cost analysis of soil and water samples for farmers	Member
25.	Financial assistance to needy students for continuation of education	Member
26.	Drought Relief Examination Fee Returning Mechanism	Member
27.	Contribution for Creating Awareness about Competitive Examinations among the Students of Parner Tehsil and Support in obtaining Guidance for the same- Parnerkar Yuva Vikas Manch and Pragtik Vichar Manch	Member
28.	Road Safety Campaign Activities 2019 onwards	Member
29.	Health Activity 2020 onwards.	Member