

Curriculum Vitae

1. Full Name: **Dr. Dipak S. Dalal**
2. Contact Information: Professor and Head
Department of Organic Chemistry
School of Chemical Sciences
Kavayitri Bahinabai Chaudhari
North Maharashtra University
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3. Education Qualification: M. Sc. (Organic Chemistry), Ph. D., SET & GATE-2001
4. Teaching Experience: 16 Years, 01 Month
5. Area of Research/Expertise: Supramolecular Chemistry, Green Chemistry, Organic Solar Cell, Heterocyclic Chemistry, High Energy Materials, Antitubercular Drugs
6. Awards/Fellowships/prizes received: DST Fast Track Young Scientist,
North Maharashtra University Publication Award 2015, 2016, 2017, 2018, 2019.
Excellent paper Award 2017 on 24th May 2018 at Beijing, China for paper Chinese Chemical Letters 2015, 26, 1273–1277.
7. Number of Ph.D. Students Completed (with name): **08**
- i. Dipak R. Patil M. Sc., CSIR-UGC-SRF
[Ph. D. Awarded 9th Jan 2014]
dpatil93@gmail.com
 - ii. Mukeshkumar B. Deshmukh M. Sc., GATE-2009, SET-2015
[Ph. D. Awarded 20th June 2017]
deshmukh.mukesh1@gmail.com
 - iii. Yogesh B. Wagh M. Sc., PET-2011, SET-2016
[Ph. D. Awarded 26th July 2017]
yogeshwagh2@gmail.com
 - iv. Asha D. Jangale M. Sc., NET, SET & PET-2011
[Ph. D. Awarded 5th December 2017]
asha.jangale@gmail.com
 - v. Rahul V. Hangarge M. Sc., CSIR-UGC-JRF Dec. 2011 (As Co-guide)
[Ph. D. Awarded 24th July 2017]
rahulhangarge86@gmail.com
 - vi. Priyanka P. Kumavat M. Sc., PET-2011, SET-2016, RFSMS Fellow
[Ph. D. Awarded 09th May 2018]
priyakmt@gmail.com

vii. Yogesh A. Tayade M. Sc. NET-LS, RGNF-SRF, PET-2011
[Ph. D. Awarded 21st June 2018]

tayadey@gmail.com

viii. Swapnil A. Padvi M. Sc. PET-2012
RGNF Fellow, NET, SET, GATE Qualified
[Ph. D. Awarded 8th April 2019]

swapnil.padvi23@gmail.com

8. Number of Ph.D. students working (with name): **02 (Co-guide)**

i. Gajanan G. Kadam M. Sc., CSIR-UGC-JRF Dec. 2011 (As Co-guide)
[CSIR-UGC-JRF Fellow] Thesis Submitted

kadam.gajanan431@gmail.com

ii. Mangal Chaudhari M. Sc. Microbiology, PET, SET (As Co-guide)

chaudharimangal5@gmail.com

9. Number of M. Phil. Students on going / completed (with name): Nil

10. Number of Books Written: Nil

11. Number of Patents: Nil

12. Number of research papers published: **51**

	Published	Accepted	Total
International	45	--	45
National	06	--	06
Total	51	--	51

S. N.	Author (s) Name	Title of Paper	Journal Details	Impact Factor	Citation
51	K. S. Dalal, M. A. Chaudhari, D. S. Dalal , B. L. Chaudhari	The first efficient biocatalytic route for the synthesis of kojic acid derivatives in aqueous media	Catalysis Communications, 106289 (2021)	3.612	0
50	Yogesh B. Wagh, Swapnil A. Padvi, Pramod P. Mahulikar, Dipak S. Dalal	CsF Promoted Rapid Synthesis of Spirooxindole-Pyran Annulated Heterocycles at Room Temperature in Ethanol	Journal of Heterocyclic Chemistry, 57 (3), 1101-1110 (2020)	2.193	3
49	Swapnil A. Padvi, Dipak S. Dalal	Task-Specific Ionic Liquids as a Green Catalysts and Solvents for Organic Synthesis	Current Green Chemistry, 7(1), 105-119 (2020)	Peer reviewed	2
48	Yogesh B. Wagh, Kundan C. Tayade, Anil Kuwar, Suban K. Sahoo, Mayank, Narinder Singh, Dipak S. Dalal	Exploration of highly selective fluorogenic 'on-off' chemosensor for H ₂ PO ₄ – ions: ICT-based sensing and ATPase activity profiling	Luminescence, 35(3), 379-384 (2020)	2.464	0
47	Arun D. Kale, Yogesh A. Tayade, Sachin D.	Willgerodt-Kindler reaction at room temperature: Synthesis	Tetrahedron, 75 (41), 130575	2.457	2

	Mahale, Rahul D. Patil, Dipak S. Dalal	of thioamides from aromatic aldehydes and cyclic secondary amines	(2019) Cover Page		
46	Asha D. Jangale, Dipak S. Dalal	Highly Efficient, Combinatorial and Catalyst-Free Approach for the Synthesis of 2-Benzylidenehydrazono-3-phenyl-4-thiazolidinone-5-acetates in Ethanol	ChemistrySelect, 4, 1323–1329 (2019)	1.811	1
45	Rajendra Patil, Jagdish Chavan, Dipak S Dalal , Vaishali Sanjay Shinde, and Anil Beldar	Biginelli Reaction: Polymer Supported Catalytic Approaches	ACS Comb. Sci., 21, 105-148 (2019)	3.784	20
44	Kiran S Dalal, Yogesh B Wagh, Yogesh A Tayade, Dipak S Dalal , Bhushan L Chaudhari	Hen egg white lysozyme catalyzed efficient synthesis of 3-indolyl-3-hydroxy oxindole in aqueous ethanol	Catalysis Letters, 148, 3335–3341 (2018)	3.186	8
43	Jing-Yu Chen, Gajanan Kadam, Akhil Gupta, Anuradha, Sheshanath V. Bhosale, Fei Zheng, Chun-Hua Zhou, Bao-Hua Jia, Dipak S. Dalal , Jing-Liang Li	A biomimetic supramolecular approach for charge transfer between donor and acceptor chromophores with aggregation induced emission	Chem. Eur. J., 24, 14668 – 14678 (2018) Cover Page	5.236	3
42	Yogesh A. Tayade, Asha D. Jangale, Dipak S. Dalal	Simple and highly efficient synthesis of thioamide derivatives using β -cyclodextrin as supramolecular catalyst in water	ChemistrySelect, 3, 8895–8900 (2018)	1.811	8
41	Dipak S. Dalal , Dipak R. Patil, Yogesh A. Tayade	β -Cyclodextrin: A green and efficient supramolecular catalyst for organic transformations	The Chemical Record, 18, 1–24 (2018)	6.771	8
40	Kiran S Dalal, Swapnil A. Padvi, Yogesh B Wagh, Dipak S Dalal , Bhushan L Chaudhari	Lipase from Porcine Pancreas: An Efficient Biocatalyst for the Synthesis of <i>ortho</i> -Aminocarbonitriles	ChemistrySelect, 3 (37), 10378–10382 (2018)	1.811	4
39	Asha D. Jangale, Dipak S. Dalal	Green synthetic approaches for biologically relevant organic compounds	Synthetic Communications, 47 (23), 2139-2173 (2017)	2.007	8
38	Priyanka P. Kumavat, Prashant Sonar and Dipak S. Dalal	An overview on basics of organic and dye sensitized solar cells, their mechanism and recent improvements	Renewable and Sustainable Energy Reviews, 78, 1262-1287 (2017)	14.982	89
37	Yogesh A. Tayade, Dipak S. Dalal	β -Cyclodextrin as a supramolecular catalyst for the synthesis of 1H-pyrazolo[1,2-b]phthalazine-5,10-dione derivatives in water	Catalysis Letters, 147 (6), 1411-1421 (2017)	3.186	23
36	Swapnil A. Padvi, Dipak S. Dalal	Choline chloride–ZnCl ₂ : Recyclable and efficient deep eutectic solvent for the [2+ 3]	Synthetic Communications, 47 (8), 779–787 (2017).	2.007	10

		cycloaddition reaction of organic nitriles with sodium azide			
35	Rahul V. Hangarge, Akhil Gupta, Aaron M. Raynor, Duong Duc La, Ante Bilic, Jingliang Li, Dipak S. Dalal , Richard A Evans, Sheshanath V. Bhosale	Enhancing the efficiency of solution-processable bulk-heterojunction devices via a three-dimensional molecular architecture comprising triphenylamine and cyanopyridone	Dyes and Pigments 137, 126-134 (2017).	4.889	8
34	Priyanka P. Kumavat, Prashant K. Baviskar, Babasaheb R. Sankapal and Dipak S. Dalal	Facile synthesis of D- π -A structured dyes and their applications towards cost effective fabrication of solar cell as well as sensing of hazardous Hg (II)	RSC Advances, 6 (108), 106453-106464 (2016).	3.361	4
33	Mukesh B. Deshmukh, Amulrao U. Borse, Pramod P. Mahulikar and Dipak S. Dalal	An improved and scalable synthesis of insensitive high explosive 4, 10-dinitro-2, 6, 8, 12-tetraoxa-4, 10-diazaisowurtzitane (TEX)	Organic Process Research & Development, 20, 1363–1369 (2016).	3.317	12
32	Swapnil A. Padvi, Yogesh A. Tayade, Yogesh B. Wagh, Dipak S. Dalal	[bmim] OH: An efficient catalyst for the synthesis of mono and bis spirooxindole derivatives in ethanol at room temperature	Chinese Chemical Letters, 27 (5) 714-720 (2016).	6.779	24
31	Kiran S. Dalal, Yogesh A Tayade, Yogesh B Wagh, Darshak R Trivedi, Dipak S. Dalal , Bhushan L. Chaudhari	Bovine serum albumin catalyzed one-pot, three-component synthesis of dihydropyrano [2, 3-c] pyrazole derivatives in aqueous ethanol	RSC Advances, 6 (18), 14868-14879 (2016).	3.361	44
30	Priyanka P. Kumavat, Prashant K. Baviskar, Babasaheb R. Sankapal, Dipak S. Dalal	Synthesis of D–D–A-type small organic molecules with an enlarged linker system towards organic solar cells and the effect of co-adsorbents on cell performance	New Journal of Chemistry, 40, 634-640 (2016).	3.591	5
29	Yogesh B Wagh, Anil S Kuwar, Dipak R Patil, Yogesh A Tayade, Asha D Jangale, Santosh S Terdale, Darshak R Trivedi, Judith Gallucci, Dipak S. Dalal	Highly efficient regioselective synthesis of 2-imino-4-oxothiazolidin-5-ylidene acetates via a substitution-dependent cyclization sequence under catalyst-free conditions at ambient temperature	Industrial & Engineering Chemistry Research, 54 (40), 9675–9682, (2015).	3.720	11
28	Yogesh B Wagh, Yogesh A Tayade, Swapnil A Padvi, Bhupesh S Patil, Nilesh B Patil, Dipak S. Dalal	A cesium fluoride promoted efficient and rapid multicomponent synthesis of functionalized 2-amino-3-cyano-4H-pyran and spirooxindole derivatives	Chinese Chemical Letters, 26 (10) 1273-1277 (2015).	6.779	51
27	Mrunal S Mahajan, Ganesh S Lonkar, Sanjay S Ghosh,	Formation of P3KHT:PCBM bulk heterojunction using orthogonal solvents by	J. Phys. D: Appl. Phys. 48 (26) 265105 (2015).	3.207	3

	Mahendra B Patil, Dipak S Dalal and Jaydeep V Sali	ultrasonic spray method			
26	Asha D. Jangale, Yogesh B. Wagh, Yogesh A. Tayade, Dipak S. Dalal	A simple and efficient synthesis of 5-substituted-3-phenyl-2-thioxoimidazolidin-4-one derivatives from S-amino acids and phenylisothiocyanate in Et ₃ N/DMF-H ₂ O	Synthetic Communications, 45 (16), 1876–1886 (2015).	2.007	12
25	Yogesh B. Wagh, Anil Kuwar, Suban K. Sahoo, Judith Gallucci and Dipak S. Dalal	Highly selective fluorimetric sensor for Cu ²⁺ and Hg ²⁺ using a benzothiazole-based receptor in semi-aqueous media and molecular docking studies	RSC Advances, 5 (56), 45528-45534 (2015).	3.361	46
24	Yogesh A. Tayade, Swapnil A. Padvi, Yogesh B. Wagh, Dipak S. Dalal	β-Cyclodextrin as a supramolecular catalyst for the synthesis of dihydropyrano [2,3-c]pyrazole and spiro indoline-3,4'-pyrano [2,3-c]pyrazole] in aqueous medium	Tetrahedron Letters, 56(19), 2441–2447 (2015).	2.415	80
23	Yogesh A. Tayade, Dipak R. Patil, Yogesh B. Wagh, Asha D. Jangle, Dipak S. Dalal	An efficient synthesis of 3-indolyl-3-hydroxy oxindoles and 3,3-di(indolyl)indolin-2-ones catalyzed by sulfonated β-CD as a supramolecular catalyst in water	Tetrahedron Letters, 56(5), 666–673 (2015).	2.415	49
22	Asha D. Jangale, Priyanka P. Kumavat, Yogesh B. Wagh, Yogesh A. Tayade, Pramod P. Mahulikar, and Dipak S. Dalal	Green Process Development for the Synthesis of Aliphatic Symmetrical N,N'-Disubstituted Thiourea Derivatives in Aqueous Medium	Synthetic Communications, 45 (3), 376–385 (2015).	2.007	17
21	Mukesh B. Deshmukh, Nilesh D. Wagh, Arun K. Sikder, Amulrao U. Borse, and Dipak S. Dalal	Cyclodextrin Nitrate Ester/H ₂ SO ₄ as a Novel Nitrating System for Efficient Synthesis of Insensitive High Explosive 3-Nitro-1,2,4-triazol- 5-one	Industrial & Engineering Chemistry Research, 53 (50), 19375–19379, (2014).	3.720	16
20	D. R. Patil, Y. B. Wagh, P. G. Ingole, K. Singh and Dipak S. Dalal	β-Cyclodextrin mediated highly efficient [2+3] cycloaddition reaction for synthesis of 5-substituted 1 <i>H</i> -tetrazoles	New Journal of Chemistry, 37, 3261-3266 (2013).	3.591	53
19	Anil S. Kuwar, Umesh A. Fegade, Kundan C. Tayade, Umesh D. Patil, Horst Puschmann, Vikas V. Gite, Dipak S Dalal , Ratnamala S. Bendre	Bis (2-hydroxy-3-isopropyl-6-methyl-benzaldehyde) ethylenediamine: A novel cation sensor	Journal of Fluorescence, 23 (5), 859-864 (2013).	2.217	15
18	Priyanka P. Kumavat, Asha D. Jangale, Dipak R. Patil, Kiran S. Dalal, Jyotsna S. Meshram, Dipak S. Dalal	Green Synthesis of Symmetrical N, N'-Disubstituted Thiourea Derivatives in water using solar energy	Environmental Chemistry Letters, 11 (2), 177-182 (2013).	9.027	29
17	Dipak R. Patil, Dipak S.	Biomimetic Approach for the	Chinese Chemical	6.779	21

	Dalal	Synthesis of N,N'-Diarylsubstituted Formamidines Catalysed by β -Cyclodextrin in Water	Letters, 23 (10), 1125-1128 (2012)		
16	Dipak R. Patil, Pravin G. Ingole, Kripal Singh, Dipak S. Dalal	Inclusion complex of Isoatoic anhydride with β -Cyclodextrin and Supramolecular One-pot Synthesis of 2,3-Dihydroquinazolin-4(1H)-ones in Aqueous Media	Journal of Inclusion Phenomena and Macrocyclic Chemistry, 76 (3-4), 327-332 (2013).	1.633	22
15	Dipak R. Patil, Dipak S. Dalal	SOCl_2/β -Cyclodextrin: A New and Efficient Catalytic System for Beckmann Rearrangement and Dehydration of Aldoximes Under Aqueous Condition	Synthetic Communications, 43 (1), 118-128 (2013).	2.007	12
14	Dipak R. Patil, Pravin G. Ingole, Kripal Singh, Dipak S. Dalal	FTIR, ^1H NMR spectral, Powder X-ray diffraction and DSC studies of " β -cyclodextrin-para-chlorobenzonitrile" inclusion complex	Research Journal of Chemical Sciences 2(10), 60-63 (2012).	Peer reviewed	13
13	Dipak R. Patil, Mukesh B. Deshmukh, Dipak S. Dalal	Ammonium Acetate Mediated Synthesis of 5-Substituted 1H-Tetrazoles	Journal of the Iranian Chemical Society, 9 (5), 799-803 (2012).	2.019	4
12	DJ Garole, VJ Garole, DS Dalal	Recovery of metal value from electroplating sludge	Research Journal of Chemical Sciences, 2 (3), 61-63 (2012).	Peer reviewed	17
11	Dipak R. Patil, Dipak S. Dalal	One-Pot, Solvent Free Synthesis of Hantzsch 1, 4-Dihydropyridines Using β -Cyclodextrin as a Supramolecular Catalyst.	Letters in Organic Chemistry, 8 (7), 477-486 (2011).	0.867	10
10	H. P. Narkhede, U. B. More, D. S. Dalal and P. P. Mahulikar	Solid supported synthesis of 2-mercaptobenzimidazole derivatives using microwaves	<i>J. Sci. Ind. Res.</i> , 67 (5), 374-376 (2008).	1.056	20
09	H. P. Narkhede, U. B. More, D. S. Dalal and P. P. Mahulikar	Solid-supported synthesis of bio-active carvacrol compounds using microwaves	Synthetic Communications, 38(14), 2413-2418 (2008).	2.007	8
08	More U. B., Narkhede H. P., Dalal D. S. , and P. P. Mahulikar	Synthesis of biologically active carvacrol compounds using different solvents and supports	Synthetic Communications, 37(12), 1957-1964 (2007).	2.007	6
07	Dalal D. S. , Pawar N. S. and Mahulikar P. P.	Synthesis of biologically active N-alkyl and N-acyl 2-(4-thiazolyl)-1H-benzimidazoles	<i>Org. Chem.: An Indian Journal</i> , 3(1), 34-36 (2007).	0.360	0
06	Narkhede H. P., More U. B., Dalal D. S. , Pawar N. S., More D. H. and Mahulikar P. P.	Fly ash supported synthesis of 2-mercaptobenzothiazole derivatives under microwave irradiation	Synthetic Communications, 37(4), 573-577 (2007).	2.007	38
05	Dalal D. S. , Pawar N. S. and Mahulikar P. P.	Simple and rapid syntheses of biologically active phthalimide and N-hydroxy phthalimide dimers using	<i>Org. Prep. Proc. Int.</i> , 39(1), 81-85 (2007).	1.628	3

		polymer-supported anions			
04	Dalal D. S. , Pawar N. S. and Mahulikar P. P.	Facile synthesis of biologically active carbazole derivatives using polymer-supported carbazolyl anion	<i>Org. Chem.: An Indian Journal</i> , 2(5-6), 174-176 (2006).	0.360	3
03	Dalal D. S. , Pawar N. S. and Mahulikar P. P.	Synthesis of 2-mercaptobenzothiazole and 2-mercaptobenzimidazole derivatives using polymer-supported anions	<i>Org. Prep. Proc. Int.</i> , 37(6), 539-546 (2005).	1.628	14
02	Pawar N. S., Dalal D. S. , Shimpi S. R. and Mahulikar P. P.	Studies of antimicrobial activity of N-alkyl and N-acyl 2-(4-thiazolyl)-1H-benzimidazoles	<i>Eur. J. Pharm. Sci.</i> , 21 (2), 115-118 (2004).	4.384	141
01	Pawar N. S., Dalal D. S. , and Mahulikar P. P.	Synthesis of N-alkyl and N-acyl phthalimides using polymer-supported phthalimide anion	<i>Journal of Indian Council of Chemists</i> , 18(2), 29-31 (2001).	Peer reviewed	12
				155.824	1012
	<i>h-index = 17</i>	i10-index = 29	Average Impact Factor per paper = 3.0553		

13. Number of Abstracts published by ChemInform (Wiley): 11

S. N.	Author (s) Name	Title of Paper	Journal Details	ChemInform Abstract Details
11	Swapnil A. Padvi, Yogesh A. Tayade, Yogesh B. Wagh, Dipak S. Dalal	[bmim] OH: An efficient catalyst for the synthesis of mono and bis spirooxindole derivatives in ethanol at room temperature	Chinese Chemical Letters, 27 (5) 714-720 (2016).	Volume 47, Issue 38, September, 2016 Version of Record online : 1 SEP 2016, DOI: 10.1002/chin.201638115
10	Kiran S. Dalal, Yogesh A Tayade, Yogesh B Wagh, Darshak R Trivedi, Dipak S. Dalal , Bhushan L. Chaudhari	Bovine serum albumin catalyzed one-pot, three-component synthesis of dihydropyrano [2, 3-c] pyrazole derivatives in aqueous ethanol	RSC Advances, 6 (18), 14868-14879 (2016).	Volume 47, Issue 25, June, 2016 Version of Record online : 2 JUN 2016, DOI: 10.1002/chin.201625150
09	Yogesh B Wagh, Yogesh A Tayade, Swapnil A Padvi, Bhupesh S Patil, Nilesh B Patil, Dipak S. Dalal	A cesium fluoride promoted efficient and rapid multicomponent synthesis of functionalized 2-amino-3-cyano-4H-pyran and spirooxindole derivatives	Chinese Chemical Letters, 26 (10) 1273-1277 (2015).	Volume 47, Issue 8, February, 2016 Version of Record online : 4 FEB 2016, DOI: 10.1002/chin.201608063
08	Asha D. Jangale, Yogesh B. Wagh, Yogesh A. Tayade, Dipak S. Dalal	A simple and efficient synthesis of 5-substituted-3- phenyl-2-thioxoimidazolidin-4-one derivatives from S-amino acids and phenylisothiocyanate in Et ₃ N/DMF-H ₂ O	Synthetic Communications, 45 (16), 1876–1886 (2015).	Volume 46, Issue 49, December, 2015 Version of Record online : 19 NOV 2015, DOI: 10.1002/chin.201549124
07	Yogesh A. Tayade, Swapnil A. Padvi, Yogesh B. Wagh, Dipak S. Dalal	β-Cyclodextrin as a supramolecular catalyst for the synthesis of dihydropyrano [2,3-c]pyrazole and spiro indoline-	Tetrahedron Letters, 56(19), 2441–2447 (2015).	Volume 46, Issue 34, August, 2015 Version of Record online : 6 AUG 2015,

		3,4'-pyrano [2,3-c]pyrazole] in aqueous medium		DOI: 10.1002/chin.2015 34179
06	Asha D. Jangale, Priyanka P. Kumavat, Yogesh B. Wagh, Yogesh A. Tayade, Pramod P. Mahulikar, and Dipak S. Dalal	Green Process Development for the Synthesis of Aliphatic Symmetrical N,N'-Disubstituted Thiourea Derivatives in Aqueous Medium	Synthetic Communications, 45 (3), 376–385 (2015).	Volume 46, Issue 20, May, 2015 Version of Record online : 27 APR 2015, DOI: 10.1002/chin.2015 20074
05	D. R. Patil, Y. B. Wagh, P. G. Ingole, K. Singh and Dipak S. Dalal	β -Cyclodextrin mediated highly efficient [2+3] cycloaddition reaction for synthesis of 5-substituted 1 <i>H</i> - tetrazoles	New Journal of Chemistry, 37, 3261-3266 (2013).	Volume 45, Issue 11, March 18, 2014 Version of Record online : 27 FEB 2014, DOI: 10.1002/chin.201411152
04	Dipak R. Patil, Dipak S. Dalal	Biomimetic Approach for the Synthesis of N,N'-Diarylsubstituted Formamidines Catalysed by β -Cyclodextrin in Water	Chinese Chemical Letters, 23 (10), 1125-1128 (2012)	Volume 44, Issue 8, February 19, 2013 Version of Record online : 1 MAR 2013, DOI: 10.1002/chin.2013 08042
03	Dipak R. Patil, Dipak S. Dalal	SOCl ₂ / β -Cyclodextrin: A New and Efficient Catalytic System for Beckmann Rearrangement and Dehydration of Aldoximes Under Aqueous Condition	Synthetic Communications, 43 (1), 118-128 (2013).	Volume 44, Issue 21, May 21, 2013 Version of Record online : 2 MAY 2013, DOI: 10.1002/chin.2013 21032
02	Dipak R. Patil, Dipak S. Dalal	One-Pot, Solvent Free Synthesis of Hantzsch 1, 4-Dihydropyridines Using β -Cyclodextrin as a Supramolecular Catalyst.	Letter in Organic Chemistry, 8 (7), 477-486 (2011).	Volume 43, Issue 50, December 11, 2012 Version of Record online : 29 NOV 2012, DOI: 10.1002/chin.2012 50149
01	Narkhede H. P., More U. B., Dalal D. S. , Pawar N. S., More D. H. and Mahulikar P. P.	Fly ash supported synthesis of 2-mercaptobenzothiazole derivatives under microwave irradiation	<i>Synth. Commun.</i> , 37(4), 573-577 (2007).	Volume 38, Issue 31, July 31, 2007 Version of Record online : 12 JUL 2007, DOI: 10.1002/chin.2007 31102

14. Number of Articles published: **02**

i. POLYMER-SUPPORTED REACTIONS: ENVIRONMENTALLY BENIGN APPROACH IN SYNTHETIC ORGANIC CHEMISTRY **D. S. Dalal**, N. S. Pawar and P. P. Mahulikar

Chemical Weekly, 193-202, August 12, 2003

ii. Fly ash: an economic and viable alternative stationary phase and column packing material for chromatography. N. S. Pawar, V. P. Nikumbh, **D. S. Dalal**, D. H. More and P. P. Mahulikar

Chemical Weekly, 195-198, March 15, 2005.

15. Research projects completed: **05**

S. N.	Name of Investigator (with PI, Co-PI)	Title of Project	Duration	Amount Sanctioned	Funding Agency
1	Dr. Dipak S. Dalal (Under DST Fast-Track Scheme for Young Scientist)	β -Cyclodextrin as a supramolecular catalyst in the synthesis of biologically active heterocyclic compounds	11 th April 2009 to 10 th October 2012	20.40 Lakhs	DST New Delhi
2	Dr. Dipak S. Dalal	Synthesis of nitrogen and sulphur containing heterocyclic compounds as antihyperlipemic or antiarteriosclerotic agents	1 th May 2009 to 31 th Oct. 2010	1.09 Lakhs	UGC New Delhi
3	Dr. Dipak S. Dalal (PI) Prof. A. U. Borse (Co-PI)	Development of Eco-friendly Methods, Novel Catalysts and Reagents for the Synthesis of High Energy Materials	24 th Nov. 2011 to 10 th 23 rd Nov. 2013	17.918 Lakhs	DRDO New Delhi
4	Dr. Dipak S. Dalal (Co-PI) Dr. N. D. Wagh (PI)	Photocatalytic degradation of High Energy Material Waste by using Nano Size Catalyst System	11 th Feb. 2012 to 10 th Feb. 2014	10.998 Lakhs	DRDO New Delhi
5	Dr. Dipak S. Dalal	Synthesis, Docking Studies and Antituberculosis Evaluation of Some Newer Promising Heterocycles Derived from Isoniazid and Ethyl 2-cyano-3,3-bis(methylthio)acrylate	July 2015 to June 2018	13.836 Lakhs	UGC New Delhi

16. Research project on going: **03**

S. N.	Name of Investigator (with PI, Co-PI)	Title of Project	Duration	Amount Sanctioned	Funding Agency
1	Dr. Dipak S. Dalal	Development of Cow-Colostrum as Immunity Booster for Rural and Tribal Area	10/03/2020 to 09/03/2022	4.5 Lakhs	RGS&TC, Government of Maharashtra
2	Dr. Dipak S. Dalal	Cow-Urine as Efficient Solvent and Catalyst for Selective Organic Transformations	01-07-2020 to 30-06-2022	5.0 Lakhs	VCRMS, KBC NMU, Jalgaon
3	Prof. B. L. Chaudhari (PI) Dr. Dipak S. Dalal (Co-PI)	Value Addition to Kojic Acid through Biocatalysis	10/03/2020 to 09/03/2022	5.0 Lakhs	RGS&TC, Government of Maharashtra

17. Research project submitted (with name of funding agency, amount proposed and date of submission of project): **Nil**

S. N.	Name of Investigator (with PI, Co-PI)	Title of Project	Date of Submission	Amount Proposed	Funding Agency

18. Consultancy Projects:

Through FT-IR	Total Rs. 55,225/-
	For Year 2009-10 Rs. 1,900/-
	For Year 2010-11 Rs. 10,050/-
	For Year 2011-12 Rs. 4,900/-
	For Year 2012-13 Rs. 3,900/-
	For Year 2013-14 Rs. 10,625/-
	For Year 2014-15 Rs. 1,050/-
	For Year 2018-19 Rs. 8,200/-
	For Year 2019-20 Rs. 14,600/-

19. Scientific collaborators (with name of the collaborators and name of the Institute/University, Country).

- Dr. A. K. Sikder, HEMRL, DRDO, Pune (**MOC for Year 2011-2014**)
- Dr. Sheshanath V. Bhosale, RMIT University, Melbourne (Australia)
- Dr. Sidhanath V. Bhosale, ICT, Hyderabad
- Dr. Darshak R. Trivedi, NITK, Mangalore
- Dr. B. R. Sankapal, VNIT, Nagpur

20. Memberships: Life Member of HEMS, India

Life Member of Society for Materials Chemistry, Mumbai

Life Member of Association of Chemistry Teachers, KBCNMU, Jalgaon

Treasurer and Founder Member for North Maharashtra University Past Students

Association, Jalgaon (NM-UPSA)

21. Administrative Work experience: Exam Coordinator for the School 2013-2015.

22. Working experience with national bodies/national exposures.

23. Working experience with international bodies/international exposures.

24. Leadership experience: Head, Department of Organic Chemistry, SCS

25. Serving on Editorial Boards: Chief Guest Editor of JAST.

26. Technology Transferred.

27. Any other activity done/going on.

28. Contribution to University/School/Department: Active participation in Avishkar

29. Conferences/Seminar/Workshops/ Research Festivals Organized:

- Organizing Committee Member for Avishkar-2013
- Organizing Committee Member for Avishkar-2014
- ICLS-2013 11th March 2013
- GOLD-CT-2014 6th to 8th February 2014
- FIRST-2015 18th to 24th June 2015
- FACT-2015 RSC Symposium 11th to 12th December 2015
- Workshop on Organic Stereochemistry & Spectroscopy by Prof. P. S. Kalsi 25th to 26th June 2015.
- Co-Coordinator for Avishkar-2015
- Observer for Avishkar-2016 at GTP, Nandurbar
- Team Manager for State Level Avishkar-2016 at SRTM, Nanded
- Organizing Secretary for ACS-2017
- Dy. Coordinator for University Level Avishkar-2017
- Team Manager for State Level Avishkar-2017 at MPRKV, Rahuri
- Team Manager for West Zone Student Research Convention Anveshan-2017 at Ganpat University, Mehsana, Gujarat
- Convener of Second National Conference ICLS-2018 on 5th & 6th March 2018.
- Coordinator for University Level Avishkar-2018
- Team Manager for State Level Avishkar-2018 at Gondwana University, Gadchiroli
- Team Manager & Mentor for National Level Anveshan-2019 at Ganpat University, Mehsana, Gujarat
- Coordinator, University Level Seminar on HPLC & LCMS on 14th October 2020
- Coordinator, National Science Day-2020.
- Coordinator, National Level Workshop on “Practicing NET/SET Examination in Chemical Science-2021”. (19th-25th July & 1st August 2021)

Updated on 31/07/2021