



**Name:** Dr. R. D. Ingle

**Qualification:** M.Sc. Ph.D.

**Specialization:** Organic Chemistry

**Designation:** Associate Professor

**Experience:** 13 Years

**Email id:** [rajitaingle@yahoo.co.in](mailto:rajitaingle@yahoo.co.in)

**Contact number:** 9421558822

**Research area of interest:** Green Chemistry, Multicomponent Reactions, Development of New Methodology for various Organic Synthesis

**Research students: Working: 07**

**Research:**

**Research guidance (Ph.D.)**

Sr. No.	Name of Scholar	Title	Year	Status	View/PDF
1	P. M. Khandare	Development of new synthetic routes for bioactive heterocyclic compound.	December 2014	Ongoing	
2	H. D. Bhosale	Literature survey and review on synthesis and biological activity of chromenes derivatives.	December 2014	Ongoing	
3	M. R. Walle	Synthesis and Bioactivity of substituted chromene analogue.	December 2014	Ongoing	
4	P. D. Jawale	Literature survey and review on synthesis and biological activity of thiazole derivative.	December 2014	Ongoing	
5	M. P. Palve	Investigation of synthetic methods for synthesis of bioactive heterocyclic compounds incorporating green approaches and their biological studies.	December 2014	Ongoing	
6	A. U. Dongre	Studies on thiamine hydrochloride and their heterocyclic derivative synthesis.	December 2014	Ongoing	

7	P. D. Tambe	Synthesis of substituted pyrazole derivatives and their biological activities.	December 2014	Ongoing	
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### Research projects

Sr. No.	Name of the Teacher.	Title of project	Name of Funding Agency	Duration of the project.	Amount	Status
1	Dr. R. D. Ingle	Synthesis of bioactive heterocyclic derivatives using novel approach in organic transformations	Dr. BAMU	2017-19	30,000/-	Completed

### Research publications

Sr. No.	Title of articles	Author	Name of Journal	Vol. No. & Issue No.	Year	Level	ISSN	Impact Factor	View PDF
1	Synthesis of alpha-phosphonates using lemon peel powder as an efficient catalyst	Priya M Khandare, S S Ghodke, R R Dixit, Rajita D Ingle and Rajendra P Pawar.	JETIR	7(3)	2020	International	2349/5162	5.87	
2	A naphthalimide-benzothiazole conjugate as colorimetric and fluorescent sensor for selective trinitrophenol detection	Pramod D. Jawale Patil, Rajita D. Ingle, Sopan M. Wagalgave, Rajesh S. Bhosale, Sidhanath V. Bhosale, Rajendra P. Pawar and Sheshanath V. Bhosale	Chemistry Select	7(3)	2019	International	2227-9040	2.77	
3	Merocyanine-Benzothiazole Chromophore-Based Sensor for Selective Picric Acid Detection. 10013-10020	PD Jawale-Patil, SM Wagalgave, RD Ingle, JB Nanubolu, RS Bhosale, Sidhanath V Bhosale, RP Pawar, SV Bhosale	Chemistry Select	4	2019	International	2365-6549	1.716	
4	An expeditious and green approach for the synthesis of 2-amino-4H-chromenes using a catalyst of natural origin.	H. D. Bhosale, S. U. Shisodia, R. D. Ingle, P. S. Kendrekar, A. U. Shisodia, László Kótai, and R. P. Pawar	Eur. Chem. Bull., 7(3)	7(3)	2018	International	2063-5346	Peer-reviewed	DOI: 10.17628/e cb.2018.7.120-122

5	Synthesis of 1,8Dioxooctahydroxanthene and 3,3-arylidene bis(4-hydroxycoumarin) derivatives 101-104	Mahesh R. Walle, Dattatraya N. Pansare, S. S. Kamble, Rajendra P. Pawar, Rajita D. Ingale	Eur. Chem. Bull	8(3)	2018	International	2063-5346	Peer-reviewed	
6	Green synthesis of Pyran Derivatives Using Lemon Peel Powder as a Natural catalyst and their Antimicrobial activity.	Khandare PM, Ingle RD, Tekale SU, Jadhav AS, Mashele S, Kendrekar PS and Pawar RP	SF Journal of Pharmaceutical and Analytical Chemistry. Volume 1, 2018(1) 1009	1 1009	2018		2643-8178	Peer-reviewed	
7	Priya M. Khandare, Rajita D. Ingale, Aparna S. Taware, Suresh U. Shisodia, Shankar S. Pawar, Laszlo Kotai, Rajendra P. Pawar	Priya M. Khandare, [a] Rajita D. Ingale, [a] Aparna S. Taware, [a] Suresh U. Shisodia, [b] Shankar S. Pawar, [c] Laszlo Kotai, [d] Rajendra P. Pawar [a]*	Eur. Chem. Bull., 2017, 6(9)	6(9)	2017	International	2063-5346	Peer-reviewed	DOI: 10.17628/e cb.2017.6.410-414
8	A Facile synthesis of new thiazolone analogues Pp 94-98	Mahesh R. Walle, Dattatraya N. Pansare, Rajendra P. Pawar, Ingle R D	Bionano Frontier July, 2017 Vol. 10 (2)	Vol. 10 (2)	2017		0974-0678	4.856	
9	La (OTf) <sub>3</sub> : An efficient catalyst for green synthesis of bis (Indolyl)methanes under solvent free conditions pp 9-11	Surekha N Deshmukh, Rajita D Ingle, Deepak S Kawade, Pravin S Kendrekar, Rajendra P Pawar	Pharmaceutical-chemistry-science 2017, Vol. 1 Issue 1	Vol. 1 Issue 1	2017			Peer-reviewed	
10	Yttrium oxide (Y <sub>2</sub> O <sub>3</sub> ): Efficient and green catalysis for the synthesis of chromeno[2,3-b]quinolinedione pp 646-653	Devidas S. Bhagat, Yogesh M. More, Maya V. Katariya, Rajeeta D. Ingle Saroj R. Bembalkar and Rajendra P. Pawar	J. of Medicinal Chemistry and Drug Discovery, Jan. 2017, Vol.	Vol. 02, Issue 03	2017	International	2347-9027	5.69	

			02,Issue 03						
11	L-Pyrrolidine-2-carboxylic acid sulfate (LPCAS): A new ionic liquid for the synthesis of 1,8-dioxooctahydroxanthenes. pp 112-115	Vaibhav W. Godse, Sahebrao S. Rindhe, László Kótai, Yogesh W. More, Rajeeta D. Ingle and Rajendra P. Pawar	Eur. Chem. Bull. 2017, 6(1)	6(1)	2017	International	2063-5346	<b>Peer-reviewed</b>	DOI: 10.17628/ECB.2017.6.1
12	2-Morpholinoethanesulfonic acid catalysed one pot synthesis of isoindolo[2,1-a]quinazoline at room temperature under ultrasonification. pp 410-413	D. S. Bhagat, M. V. Katariya, R. D. Ingle, V. M. Joshi, M. R. Bachhav, R. N. Udavant and R. P. Pawar	Eur. Chem. Bull. 2015, 4(9)	4(9)	2015	International	4(9)	<b>Peer-reviewed</b>	DOI: 10.17628/ECB.2015.4.410