

3.4.5 Number of research papers per teacher in the Journals notified on UGC website during the last five years

1. Prof. R. B. Bhosale

Sr. No.	Title of the paper	Name of Authors	Department of the teacher	Name of the journal	Year of Publication	ISSN Number	Link
1	Synthesis Of Thiazole Scaffolds By Novel Method And Their In Vitro Anthelmintic Activity Against Indian Adult Earthworm	Dattatraya G. Raut, Vikas D. Kadu, Vikas D. Sonawane, Raghunath B. Bhosale	School of Chemical Sciences	European Journal of Biomedical and Pharmaceutical Sciences	2015	2349-8870	https://pdfs.semanticscholar.org/012f/d8274c3d3f22822da74b204fe1f6f80c9c9a.pdf
2	PEG Mediated Synthesis and Biological Evaluation of Asymmetrical Pyrazole Curcumin Analogues as Potential Analgesic, Anti-Inflammatory and Antioxidant Agents	Shravan Y Jadhav, Raghunath B Bhosale, Sachin P Shirame, Sandeep B Patil, Suresh D Kulkarni	School of Chemical Sciences	Chemical Biology and Drug Design	2015	377-384	https://onlinelibrary.wiley.com/doi/abs/10.1111/cbdd.12416
3	One-pot PEG-mediated syntheses of 2-(2-hydrazinyl) thiazole derivatives: novel route	DG Raut, RB Bhosale	School of Chemical Sciences	Journal of Sulfur Chemistry	2017		https://www.tandfonline.com/doi/abs/10.1080/17415993.2017.1371175
4	Design, synthesis, docking studies and biological screening of 2-thiazolyl substituted-2, 3-dihydro-1H-naphtho [1, 2-e][1, 3]	Rakhi Gawali, Jay Trivedi, Sujit Bhansali, Raghunath	School of Chemical Sciences	European journal of medicinal chemistry	2018	0223-5234	https://www.sciencedirect.com/science/article/pii/S023523418306329

	oxazines as potent HIV-1 reverse transcriptase ...	Bhosale, Dhiman Sarkar, Debashis Mitra					
5	Synthesis of Asymmetric 1-Thiocarbamoyl Pyrazoles as Potent Anti-Colon Cancer, Antioxidant and Anti-Inflammatory Agent	DG Raut, SB Patil, VD Kadu, MG Hublikar, RB Bhosale	School of Chemical Sciences	Anti-Cancer Agents in Medicinal Chemistry	2018	1871-5206	https://www.ingentaconnect.com/contentone/ben/acamc/2018/00000018/00000015/art00007
6	synthesis of some novel (e)-methyl 2, 4-dimethyl-5-(3-oxo-3-phenylprop-1-en-1-yl)-1h-pyrrole-3-carboxylate derivatives as antimicrobial agent	Mahesh Hublikar, Prashant Dixit, Vikas Kadu, Sachin Shirame, Dattatraya Raut, Raghunath Bhosale, Shravan Jadhav	School of Chemical Sciences	SYNTHESIS	2019	0974-2441	https://www.researchgate.net/profile/Vikas_Kadu/publication/336583100_SYNTHESIS_OF_SOME_NOVEL_E-METHYL_24-DIMETHYL-5-3-OXO-3-PHENYLPROP-1-EN-1-YL-1H-PYRROLE-3-CARBOXYLATE_DERIVATIVES_AS_ANTIMICROBIAL_AGENT/links/5dc3e9faa6fdcc2d2ff7eda1/SYNTHESIS-OF-SOME-NOVEL-E-METHYL-24-DIMETHYL-5-3-OXO-3-PHENYLPROP-1-EN-1-YL-1H-PYRROLE-3-CARBOXYLATE-DERIVATIVES-AS-ANTIMICROBIAL-AGENT.pdf

7	Water-Mediated Green and Efficient Synthesis of Bis (Indolyl) methanes Using Ammonium Iron (II) Sulfate	Vikas D Kadu, Dinesh N Nadimetla, Mahesh G Hublikar, Dattatraya G Raut, Raghunath B Bhosale	School of Chemical Sciences	Letters in Organic Chemistry	2020	1570-1786	https://www.ingentaconnect.com/content/ben/loc/2020/00000017/00000001/art0009
8	Synthesis of Asymmetric Thiazolyl Pyrazolines as a Potential Antioxidant and Anti-Inflammatory Agents	Dattatraya G Raut, Anjana S Lawand, Vikas D Kadu, Mahesh G Hublikar, Sandeep B Patil, Dnyandev G Bhosale, Raghunath B Bhosale	School of Chemical Sciences	Polycyclic Aromatic Compounds	2020	1040-6638	https://www.tandfonline.com/doi/abs/10.1080/10406638.2020.1716028

2. Dr. A. A. Ghanwat

9	Synthesis and characterization of α -(cyclic carbonate), ω -hydroxyl/itaconic acid asymmetric telechelic poly(ϵ -caprolactone)	Ravindra Mahadev Patil, Han Hong, Christina L. L. Chai, Anil A. Ghanwat, Satyanarayana Ganugapati, Rudhramyna Gnaneshwar	School of Chemical Sciences	Polymer Bulletin	2015		https://www.springerprofessional.de/en/synthesis-and-characterization-of-%CE%B1-cyclic-carbonate-%CF%89-hydroxyl-/5220614
10	Antimicrobial and spectral studies of zinc metal complexes derived from imidazo [4, 5-f] [1, 10] – phenanthroline derivative	VM Gugwad, YJ Yadav, PA Jadhav, AA Ghanwat	School of Chemical Sciences	World Journal Of Pharmacy And Pharmaceutical Sciences	2017	2278-4357	10.20959/wjpps20178-9663
12	Synthesis and characterization of conjugated porous	P. H Salunkhe, Y. S Patil, V. B	School of Chemical Sciences	Journal of Polymer Research	2018	1022-9760	https://link.springer.com/article/10.1007/s10965-018-1545-z

	polyazomethines with excellent electrochemical energy storage performance.	Patil, Y. H Navale, I. A Dhole, V. P Ubale, N. N Maldar, A. A Ghanwat.					
13	Synthesis and characterization of novel cardo poly(ether-azomethine)s containing cyclohexylidene moiety	AA Ghanwat, VP Ubale, NN Maldar	School of Chemical Sciences		한국고분자학회 한국고분자학회 학술대회 연구논문 초록집	---	https://www.dbpia.co.kr/journal/articleDetail?nodeId=NODE07048108&language=ko_KR
14	Investigation and polymerization behavior of structurally different benzoxazine monomers	VP Ubale, AA Ghanwat, NN Maldar	School of Chemical Sciences		한국고분자학회 한국고분자학회 학술대회 연구논문 초록집	---	https://www.dbpia.co.kr/journal/articleDetail?nodeId=NODE07048098
15	Processable heat resistant polyamides containing tetraphenyl thiophene having pendant phenyl moiety with	P. H Salunkhe, S. S Ankushrao, Y. S Patil, J. N Mahindrakar,	School of Chemical Sciences		Journal of Macromolecular Science, Part A.	1060-1325	https://www.tandfonline.com/doi/abs/10.1080/10601325.2018.1444418

	heterocyclic quinoxaline unit: Synthesis and characterization.	V. N Kadam, V. P Ubale, A. A Ghanwat.					
16	Synthesis and characterization of polyamides containing polar quinoxaline unit in the main chain and evaluation of its hydrophilicity.	P. H. Salunkhe, Y. S. Patil, J. N. Mahindrakar, V. P. Ubale and A. A. Ghanwat.	School of Chemical Sciences	Journal of Macromolec ular Science.	2019	1060- 1325	https://doi.org/10.1080/10601325.2019.1569469 .
17	Synthesis and Characterization of Aromatic Polyimides containing Tetraphenylfuran-Thiazole moiety.	Y. S. Patil, P. H. Salunkhe, J. N. Mahindrakar, S. S. Ankushrao, V. N. Kadam, V. P. Ubale and A. A. Ghanwat.	School of Chemical Sciences	Journal of Thermal Analysis and Calorimetry.	2019	1388- 6150	DOI: 10.1007/s10973-018-7567-2
18	Synthesis, Characterization and Structure–Property Relationships of Processable Poly(amide-imide)s Containing Novel Tetraphenylthiophene-	Y. S. Patil, J. N. Mahindrakar, P. H. Salunkhe, S. S. Ankushrao, V. N. Kadam, V. P. Ubale and A. A. Ghanwat.	School of Chemical Sciences	Journal of Macromolec ular Science Part A	2018	1060- 1325	https://www.tandfonline.com/doi/abs/10.1080/10601325.2018.1483201?journalCode=lmsa20

	Thiazole Diimide-Diacid (TPTPThDIDA) Moiety.						
19	Optically transparent, Organosoluble Poly(ether-amide)s bearing triptycene unit; Synthesis and Characterization.	J. N. Mahindrakar, Y. S. Patil, P.H. Salunkhe, S. S. Ankushrao, V.N. Kadam, V. P. Ubale, A. A. Ghanwat.	School of Chemical Sciences	Journal of Macromolecular Science Part A.	2018	1060-1325	https://doi.org/10.1080/10601325.2018.1510291
20	Synthesis and Characterization of Novel Processable Poly (Ether-Azomethine)s Containing Naphthyl Moiety	V. N. Kadam, S. S. Ankushrao, Y.S. Patil, P. H. Salunkhe, J. N. Mahindrakar, V. P. Ubale, N. N. Maldar, A. A. Ghanwat,	School of Chemical Sciences	International Journal of Engineering Science Invention (IJESI),	2017	2319-6734	http://www.ijesi.org/papers/Vol(6)12/Version-2/M0612028695.pdf
21	Synthesis and Characterization of novel Poly(ether-imide)s derived from Thiazolodiamine and aromatic dianhydrides.	V. N. Kadam, A. A. Ghanwat, Y.S. Patil, P. H. Salunkhe, V. P. Ubale,	School of Chemical Sciences	International Journal of Universal Science and Technology,	2018	2454-7263	http://www.universalprint.org/wp-content/uploads/2018/02/IJUP0279.pdf

22	Synthesis and Characterization of Novel Processable Poly (Ether-Azomethine)s Containing Naphthyl Moiety	V. N. Kadam, P. H. Salunkhe, S. S. Ankushrao, Y. S. Patil, J. N. Mahindrakar, V. P. Ubale and A. A. Ghanwat,	School of Chemical Sciences	Journal of Applicable Chemistry	2018	2319-6734	http://www.ijesi.org/papers/Vol(6)12/Version-2/M0612028695.pdf
23	Design, Synthesis, In Vitro antimicrobial, antioxidant evaluation and Molecular Docking Study of Novel Benzimidazole and Benzoxazole Derivatives.	Bharat B. Kashid, Anil A. Ghanwat, Vijay M. Khedkar, Balasaheb B. Dongare, Mubarak H. Shaikh, Prathmesh P. Deshpande, Yogesh B. Wakchaure.	School of Chemical Sciences	Journal of Heterocyclic Chemistry	2019	1943-5193	https://onlinelibrary.wiley.com/doi/abs/10.1002/jhet.3467
24	Synthesis and Characterization of Poly(Ether-amide)s Containing Triptycene Moiety. VIII,	J. N. Mahindrakar, V. N. Kadam, Y. S. Patil, S. S. Ankushrao, P. H. Salunkhe V. P. Ubale and	School of Chemical Sciences	AJANTA a Multidisciplinary Quarterly Research Journal,	2019	2277-5730 (E)	---

		A. A. Ghanwat, V. N. Kadam, P. H. Salunkhe, S. S. Ankushrao, Y. S. Patil, J. N. Mahindrakar, V. P. Ubale and A. A. Ghanwat,					
25	High Performance Poly(ether-amide)s Derived from 1,1-Bis[4-(4-carboxy methylene phenoxy)-3-methyl phenyl] Cyclopentane and Aromatic Diamines,	S. S. Ankushrao, V. M. Gugwad, V. P. Ubale, N. N. Maldar, A. A. Ghanwat,	School of Chemical Sciences	Polymer science series B	2018	1560-0904	https://link.springer.com/article/10.1134/S1560090418030107
26	Effect of polar quinoxaline unit on wettability of polyimides containing pendent phenyl moiety:	P. H. Salunkhe, Y. S. Patil, J. N. Mahindrakar, V. N. Kadam, S. S. Ankushrao,	School of Chemical Sciences	<i>Polymer plastic technology and materials.</i>	2020	1525-6111	https://www.tandfonline.com/doi/abs/10.1080/25740881.2019.1625385?scroll=top&needAccess=true&journalCode=lpte21

	synthesis and characterization.	V.P. Ubale and A. A. Ghanwat.					
27	Tetraphenylthiophene-Thiazole based π -Conjugated Polyazomethines: Synthesis, Characterization and Gas sensing Application	Y. S. Patil, P. H. Salunkhe, Y.H. Navale, V. B. Patil, V.P. Ubale and A. A. Ghanwat.	School of Chemical Sciences	Polymer Buletin	2019	0170-0839	https://doi.org/10.1007/s00289-019-02856-2 .
28	Novel synthetic approach for designing metal free, redox active quinoxaline-benzimidazole based organic polymers with high energy storage capacity.	Pravin S. Salunkhe, Yuvraj S. Patil, Indrajeet A. Dhole, Basavraj S. Kalshetti, Vikas B. Patil, Shivshankar R. Mane, and Anil A. Ghanwat.,	School of Chemical Sciences	<i>New Journal of Chemistry</i>	2019	1144-0546	https://pubs.rsc.org/en/content/articlelanding/2019/nj/c9nj02877c#!divAbstract
29	Synthesis, Characterization, and Electrical and Thermal Stability of Semiconducting π -Conjugated Polyazomethines Containing a	Y. S. Patil, J. N. Mahindrakar, P. H. Salunkhe, V. P. Ubale, A. A. Ghanwat,	School of Chemical Sciences	<i>Journal of Electronic Materials</i>	2019	0361-5235	https://doi.org/10.1007/s11664-019-07584-x

	Tetraphenylthiophene-Oxazole Unit..						
30	Synthesis and characterization of processable heat resistant co-poly(ester-amide)s containing cyclopentylidene moiety	S. S. Ankushrao V. N. Kadam, Y. S. Patil, V. P. Ubale, N. N. Maldar & A. A. Ghanwat	School of Chemical Sciences	Journal of Macromolecular Sciences Part A	2016		https://www.tandfonline.com/doi/abs/10.1080/10601325.2016.1261625
31	Spray Synthesized Hydrophobic alpha Fe ₂ O ₃ thin film electrodes for Supercapacitor application	P. D. More, P. R. Jadhav, A. A. Ghanwat, I. A. Dhole, Y. H. Navale, V. B. Patil	School of Chemical Sciences	Journal of Materials Science: Materials in Electronics	2017	0957-4522	https://www.springerprofessional.de/en/spray-synthesized-hydrophobic-%CE%B1-fe2o3-thin-film-electrodes-for-s/14230878
32	Synthesis and characterization of thermally stable poly(ether-azomethine)s derived from 1, 1-bis [4-(4-benzaldehyde oxy)-3-methyl phenyl] cyclopentane	SS Ankushrao, YS Patil, VP Ubale, NN Maldar, AA Ghanwat	School of Chemical Sciences	Journal of Macromolecular Science Part A	2017	1060-1325	https://www.tandfonline.com/doi/abs/10.1080/10601325.2017.1313155

Dr.(Mrs) A. S. Lawand

33	Synthesis of Asymmetric Thiazolyl Pyrazolines as a Potential Antioxidant and Anti-Inflammatory Agents	Dattatraya G Raut, Anjana S Lawand, Vikas D Kadu, Mahesh G Hublikar, Sandeep B Patil, Dnyandev G Bhosale, Raghunath B Bhosale	School of Chemical Sciences	Polycyclic Aromatic Compounds	2020	1040-6638	https://www.tandfonline.com/doi/abs/10.1080/10406638.2020.1716028
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Dr. S. N. Shringare

34	Synthesis of extended conjugated indolyl chalcones as potent anti-breast cancer, anti-inflammatory and antioxidant agents	Pravin S Bhale, Hemant V Chavan, Sakharam B Dongare, Sadanand N Shringare, Yoginath B Mule, Samadhan S Nagane, Babasaheb P Bandgar	School of Chemical Sciences	Bioorganic & Medicinal Chemistry Letters	2017	0960-894X	https://www.sciencedirect.com/science/article/pii/S0960894X17301841
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35	Synthesis and pharmacological evaluation of combretastatin-A4 analogs of pyrazoline and pyridine derivatives as anticancer, anti-inflammatory and antioxidant agents	Sadanand N Shringare, Hemant V Chavan, Pravin S Bhale, Sakharam B Dongare, Yoginath B Mule, Sandeep B Patil, Babasaheb P Bandgar	School of Chemical Sciences	Medicinal Chemistry Research	2018	1054-2523	https://link.springer.com/article/10.1007/s00044-018-2142-8
36	Synthesis, Characterization and Evaluation of 1, 3-Bisindolyl-2-Propen-1-One Derivatives as Potent Anti-Breast Cancer Agents	Pravin S Bhale, Hemant V Chavan, Sakharam B Dongare, Sadanand N Shringare, Yoginath B Mule, Praffula B Choudhari, Babasaheb P Bandgar	School of Chemical Sciences	Current Bioactive Compounds	2018	1573-4072	https://www.ingentaconnect.com/contentone/ben/cbc/2018/00000014/00000003/art00013
37	Synthesis and Pharmacological Evaluation of Pyrazoline and Pyrimidine Analogs of Combretastatin-A4 as Anticancer, Anti-	Sadanand N Shringare, Hemant V Chavan, Pravin S	School of Chemical Sciences	Croatica Chemica Acta	2018	1334-417X	https://go.gale.com/ps/anonymous?id=GALE%7CA572943560&sid=googleScholar&v=2.1&it=r&linkaccess

	inflammatory and Antioxidant Agents	Bhale, Sakharam B Dongare, Yoginath B Mule, Nishikant D Kolekar, Babasaheb P Bandgar					=abs&issn=00111643&p=AONE&sw=w
38	Design, Synthesis, and Spectroscopic Study of 7-Azaindolyl Hydrazones with Anti-Breast Cancer Activity	Sakharam B Dongare, Babasaheb P Bandgar, Pravin S Bhale, Sadanand N Shringare, Hemant V Chavan	School of Chemical Sciences	Croatica Chemica Acta	2019	1334-417X	https://go.gale.com/ps/anonymous?id=GALE%7CA596849555&sid=googleScholar&v=2.1&it=r&linkaccess=abs&issn=00111643&p=AONE&sw=w
39	Ketene dithioacetal mediated synthesis of 1, 3, 4, 5-tetrasubstituted pyrazole derivatives and their biological evaluation	Pravin S Bhale, Babasaheb P Bandgar, Sakharam B Dongare, Sadanand N Shringare, Dnyaneshwar M Sirsat, Hemant V Chavan	School of Chemical Sciences	Journal Phosphorus, Sulfur, and Silicon and the Related Elements	2019	1563-5325	https://www.tandfonline.com/doi/abs/10.1080/10426507.2019.1565760

Mr. V. D. Kadu

Sr. No.	Title of the paper	Name of Authors	Department of the teacher	Name of the journal	Year of Publication	ISSN Number	Link
40	Synthesis Of Thiazole Scaffolds By Novel Method And Their In Vitro Anthelmintic Activity Against Indian Adult Earthworm	Dattatraya G. Raut, Vikas D. Kadu, Vikas D. Sonawane, Raghunath B. Bhosale	School of Chemical Sciences	European Journal of Biomedical and Pharmaceutical Sciences	2015	2349-8870	https://pdfs.semanticscholar.org/012f/d8274c3d3f22822da74b204fe1f6f80c9c9a.pdf
41	Synthesis of Asymmetric 1-Thiocarbamoyl Pyrazoles as Potent Anti-Colon Cancer, Antioxidant and Anti-Inflammatory Agent	DG Raut, SB Patil, VD Kadu, MG Hublikar, RB Bhosale	School of Chemical Sciences	Anti-Cancer Agents in Medicinal Chemistry	2018	1871-5206	https://www.ingentaconnect.com/contentone/ben/acamc/2018/00000018/00000015/art00007
42	synthesis of some novel (e)-methyl 2, 4-dimethyl-5-(3-oxo-3-phenylprop-1-en-1-yl)-1h-pyrrole-3-carboxylate derivatives as antimicrobial agent	Mahesh Hublikar, Prashant Dixit, Vikas Kadu, Sachin Shirame, Dattatraya Raut, Raghunath Bhosale, Shravan Jadhav	School of Chemical Sciences	SYNTHESIS	2019	0974-2441	https://www.researchgate.net/profile/Vikas_Kadu/publication/336583100_SYNTHESIS_OF_SOME_NOVEL_E-METHYL_24-DIMETHYL-5-3-OXO-3-PHENYLPROP-1-EN-1-YL-1H-PYRROLE-3-CARBOXYLATE_DERIVATIVES_AS_ANTIMICROBIAL_AGENT/links/5dc3e9faa6fdcc2d2ff7eda1/SYNTHESIS-OF-SOME-NOVEL-E-METHYL-2-4-DIMETHYL-5-3-OXO-3-PHENYLPROP-1-EN-1-YL-1H-PYRROLE-3-

							CARBOXYLATE-DERIVATIVES-AS-ANTIMICROBIAL-AGENT.pdf
43	Water-Mediated Green and Efficient Synthesis of Bis (Indolyl) methanes Using Ammonium Iron (II) Sulfate	Vikas D Kadu, Dinesh N Nadimetla, Mahesh G Hublikar, Dattatraya G Raut, Raghunath B Bhosale	School of Chemical Sciences	Letters in Organic Chemistry	2020	1570-1786	https://www.ingentaconnect.com/content/ben/loc/2020/00000017/00000001/art00009
44	Synthesis of Asymmetric Thiazolyl Pyrazolines as a Potential Antioxidant and Anti-Inflammatory Agents	Dattatraya G Raut, Anjana S Lawand, Vikas D Kadu, Mahesh G Hublikar, Sandeep B Patil, Dnyandev G Bhosale, Raghunath B Bhosale	School of Chemical Sciences	Polycyclic Aromatic Compounds	2020	1040-6638	https://www.tandfonline.com/doi/abs/10.1080/10406638.2020.1716028

Dr. M. G. Mali

45	Nanotextured Pillars of Electrospayed Bismuth Vanadate for Efficient Photoelectrochemical Water Splitting	H Yoon, Mukund G Mali, JY Choi, M Kim, SK Choi, H Park, SS Al-Deyab, Sam.S. Yoon	School of Chemical Sciences	Langmuir	2015	0743-7463	https://pubs.acs.org/doi/abs/10.1021/acs.langmuir.5b00486
46	Electrospayed heterojunction WO ₃ /BiVO ₄ films with nanotextured pillar structure for enhanced photoelectrochemical water splitting	Mukund G Mali, Hyun Yoon, Min Woo Kim, Mark T Swihart, Salem am S Al-Deyab, SS Yoon	School of Chemical Sciences	Applied Physics Letters (IF = 3.4)	2015	0003-6951	https://aip.scitation.org/doi/abs/10.1063/1.4918583
47	Electrically-charged recyclable graphene flakes entangled with electrospun nanofibers for the adsorption of organics for water purification.	Seongpil An, Hong S Jo, K Y Song, Mukund G Mali, Salem S Al-Deyab, Sam S Yoon	School of Chemical Sciences	Nanoscale (IF = 7.4)	2015	2040-3372	https://pubs.rsc.org/en/content/articlelanding/2015/nr/c5nr05005g/unauth#!divAbstract
48	Supersonically blown nylon-6 nanofibers entangled with graphene flakes for water purification	JG Lee, DY Kim, Mukund G Mali, SS Al-Deyab, MT	School of Chemical Sciences	Nanoscale (IF = 7.4)	2015	2040-3372	https://pubs.rsc.org/en/content/articlelanding/2015/nr/c5nr06549f/unauth#!divAbstract

		Swihart, SS Yoon					
49	Enhanced photoelectrochemical solar water splitting using a platinum-decorated CIGS/CdS/ZnO photocathode	Mukund G Mali, H Yoon, BN Joshi, H Park, SS Al-Deyab, DC Lim, SJ Ahn, Sam S. Yoon	School of Chemical Sciences	ACS applied materials & interfaces (IF = 7.5)	2015	1944-8244	https://pubs.acs.org/doi/abs/10.1021/acsami.5b07267
50	Chemical-Bath-Deposited Indium Oxide Microcubes for Solar Water Splitting	Mukund G Mali, H Yoon, H Kim, B Joshi, SS Al-Deyab, SS Yoon	School of Chemical Sciences	ChemPhysChem (IF = 3.1)	2015	1439-7641	https://onlinelibrary.wiley.com/doi/abs/10.1002/cphc.201500636
51	Efficient Water Purification by Photocatalysis and Rapid Adsorption of Dip-Coated Metal Foam with Nanostructured Bismuth Vanadate	H Yoon, Mukund G Mali, HY Kim, SS Al-Deyab, SS Yoon	School of Chemical Sciences	Journal of the American Ceramic Society (IF = 2.8)	2015	0002-7820	https://ceramics.onlinelibrary.wiley.com/doi/abs/10.1111/jace.13993
52	Heterojunction photoanodes for solar water splitting using chemical-bath-deposited In ₂ O ₃ micro-cubes and electro-sprayed Bi ₂ WO ₆ textured nanopillars	Bhavana Joshi, Hyun Yoon, Hayong Kim, Min-woo Kim, Mukund G Mali, Salem	School of Chemical Sciences	RSC advances (IF = 3.1)	2015	2046-2069	https://pubs.rsc.org/iv/content/articlelanding/2015/ra/c5ra16833c/unauth#!divAbstract

		S Al-Deyab, Sam S Yoon					
53	H Yoon, Mukund G Mali, M Kim, SS Al-Deyab, SS Yoon	Electrostatic spray deposition of transparent tungsten oxide thin-film photoanodes for solar water splitting	School of Chemical Sciences	Catalysis Today (IF = 4.6)	2016	0920-5861	https://www.sciencedirect.com/science/article/abs/pii/S0920586115002205
54	Green approach for hierarchical nanostructured Ag-ZnO and their photocatalytic performance under sunlight	SS Patil, Mukund G Mali, MS Tamboli, DR Patil, MV Kulkarni, H Yoon, H Kim, Salem S. Al-Deyab, Sam S Yoon	School of Chemical Sciences	Catalysis Today (IF = 4.6)	2016	0920-5861	https://www.sciencedirect.com/science/article/abs/pii/S092058611500351X
55	Graphene-Wrapped Ag ₃ PO ₄ /LaCO ₃ OH Heterojunction for Water Purification under Visible Light.	Santosh Patil, Mukund G. Mali, Animesh Roy, Mohaseen S. Tamboli, Virendrakumar G.	School of Chemical Sciences	Journal of Energy Chemistry (IF = 2.6)	2016	2095-4956	https://www.sciencedirect.com/science/article/abs/pii/S2095495616300699

		Deonikar, Deepak R. Patil, Sam S. Yoon, Sanjay S. Kolekar, Bharat B. Kale.					
56	Platinum-decorated Cu(InGa)Se ₂ /CdS photocathodes: The role of CdS and Pt on photoelectrochemistry of solar water splitting,	Min-woo Kim, Hyun Yoon, Tae Yun Ohm, Mukund G. Mali, Sung Kyu Choi, Hyunwoong Park, Salem S. Al-Deyab, Dong Chan Lim, SeJin Ahn, Sam S, Yoon	School of Chemical Sciences	Journal of Alloys and compounds (IF = 3.1)	2017	0925-8388	https://www.sciencedirect.com/science/article/abs/pii/S0925838816327153
57	One Pot in Situ Hydrothermal Growth of BiVO ₄ /Ag/rGO Hybrid Architectures for Solar Water Splitting and Environmental Remediation	Santosh S. Patil, Mukund G. Mali, Mostafa Afifi, Deepak R. Patil, Sanjay S. Kolekar, Sang-Wan Ryu	School of Chemical Sciences	Nature Scientific Reports (IF = 4.3)	2017	2045-2322	https://www.nature.com/articles/s41598-017-08912-z

Prof. N. N. Maldar (Rtd)

58	Synthesis and characterization of conjugated porous polyazomethines with excellent electrochemical energy storage performance.	P. H Salunkhe, Y. S Patil, V. B Patil, Y. H Navale, I. A Dhole, V. P Ubale, N. N Maldar, A. A Ghanwat.	School of Chemical Sciences	Journal of Polymer Research	2018	1022-9760	https://link.springer.com/article/10.1007/s10965-018-1545-z
59	Synthesis and characterization of novel cardo poly(ether-azomethine)s containing cyclohexylidene moiety	AA Ghanwat, VP Ubale, NN Maldar	School of Chemical Sciences	한국고분자학회 한국고분자학회 학술대회 연구논문 초록집	2016	---	https://www.dbpia.co.kr/journal/articleDetail?nodeId=NODE07048108&language=ko_KR
60	Investigation and polymerization behavior of structurally different benzoxazine monomers	VP Ubale, AA Ghanwat, NN Maldar	School of Chemical Sciences	한국고분자학회 한국고분자학회 학술대회	2016	---	https://www.dbpia.co.kr/journal/articleDetail?nodeId=NODE07048098

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61	Synthesis, characterization and conductivity study of co-polyazomethine polymer containing thiazole active ring	Y. S Patil, P. H Salunkhe, Y. H Navale, V. P Ubale, V. B Patil, N. N Maldar, A. A Ghanwat,	School of Chemical Sciences	AIP Conference Proceedings	2018		
62	Synthesis and Gas sensing studies of polyazomethines polymers	Y. S. Patil A. A. Ghanwat, V. B. Patil, P. H. Salunkhe, V. P. Ubale, N. N. Maldar,	School of Chemical Sciences	International Conference on Polymer Science and Technology MACRO	2017		
63	Synthesis and Characterization of Novel Processable Poly (Ether-Azomethine)s Containing Naphthyl Moiety	V. N. Kadam , S. S. Ankushrao , Y.S. Patil , P. H. Salunkhe J. N. Mahindrakar , V. P. Ubale, N. N. Maldar, A. A. Ghanwat,	School of Chemical Sciences	International Journal of Engineering Science Invention (IJESI),	2017	2319-6734	http://www.ijesi.org/papers/Vol(6)12/Version-2/M0612028695.pdf

64	High Performance Poly(ether-amide)s Derived from 1,1-Bis[4-(4-carboxy methylene phenoxy)-3-methyl phenyl] Cyclopentane and Aromatic Diamines,	S. S. Ankushrao, V. M. Gugwad, V. P. Ubale, N. N. Maldar, A. A. Ghanwat,	School of Chemical Sciences	Polymer science series B	2018	1560-0904	https://link.springer.com/article/10.1134/S1560090418030107
65	Synthesis and characterization of processable heat resistant co-poly(ester-amide)s containing cyclopentylidene moiety	S. S. Ankushrao V. N. Kadam, Y. S. Patil, V. P. Ubale, N. N. Maldar & A. A. Ghanwat	School of Chemical Sciences	Journal of Macromolecular Sciences Part A	2016	1060-1325	https://www.tandfonline.com/doi/abs/10.1080/10601325.2016.1261625
66	Synthesis and characterization of thermally stable poly(ether-azomethine)s derived from 1, 1-bis [4-(4-benzaldehyde oxy)-3-methyl phenyl] cyclopentane	SS Ankushrao, YS Patil, VP Ubale, NN Maldar, AA Ghanwat	School of Chemical Sciences	Journal of Macromolecular Science Part A	2017	1060-1325	https://www.tandfonline.com/doi/abs/10.1080/10601325.2017.1313155

67	<p>Synthesis and characteristics of Zn_{1-x}Cr_xSe composite thin film materials</p> <p>Publication date</p>	<p>Lalasaheb Patangrao Deshmukh, Pandurang Chilu Pingale, Shrishail Suresh Kamble, Noormahmad Nabisaheb Maldar</p>	<p>School of Chemical Sciences</p>	<p>Composites Part B: Engineering</p>	<p>2016</p>	<p>1359-8368</p>	<p>https://www.sciencedirect.com/science/article/abs/pii/S1359836815005910</p>
68	<p>Microstructural characteristics of SrTiO₃ nanoparticles: the role of capping ligand concentration</p>	<p>Uzma KH Bangi, Vipul M Prakshale, WooJe Han, Hyung-Ho Park, Noor Mahmad N Maldar, Lalasaheb P Deshmukh</p>	<p>School of Chemical Sciences</p>	<p>Micro & Nano Letters</p>	<p>2016</p>	<p>1750-0443</p>	<p>https://digital-library.theiet.org/content/journals/10.1049/mnl.2015.0531</p>

69	<p>Invoking stoichiometric protocols for chemical synthesis of CdSe thin films</p> <p>Publication date</p> <p>Journal</p>	<p>Authors</p> <p>GT Chavan, SS Kamble, NB Chaure, NN Maldar, LP Deshmukh</p>	School of Chemical Sciences	Journal of Alloys and Compounds	2016	0925-8388	https://www.sciencedirect.com/science/article/abs/pii/S0925838816310234
70	<p>Constraints for ZnSe thin film growth and stoichiometry regulation</p>	<p>Authors</p> <p>ST Pawar, SS Kamble, SM Pawar, GT Chavan, VM Prakshale, NB Chaure, SL Deshmukh, NN Maldar, LP Deshmukh</p>	School of Chemical Sciences	Journal of Materials Science: Materials in Electronics	2016	0957-4522	https://link.springer.com/article/10.1007/s10854-016-5153-6

71	The optical and electrical transport studies of Zn _x Co _{1-x} S thin films	<p>Authors Shrishail Suresh Kamble, Andrzej Sikora, Satyajit Lalasaheb Deshmukh, Santaji Tanaji Pawar, Ganesh Tanaji Chavan, Deepak P Dubal, Nandkumar B Chaure, Noormahma d Nabisaheb Maldar,</p>	School of Chemical Sciences	Journal of Materials Science: Materials in Electronics	2016	0957-4522	https://link.springer.com/article/10.1007/s10854-016-5064-6
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		Lalasaheb Patangrao Deshmukh					
72	Mimics of microstructures of Ni substituted $Mn_{1-x}Ni_xCo_2O_4$ for high energy density asymmetric capacitors	Authors Mohaseen S Tamboli, Deepak P Dubal, Santosh S Patil, Asiya F Shaikh, Virendrakumar G Deonikar, Milind V Kulkarni, Noormahamad N Maldar, Abdullah M Asiri, Pedro Gomez-Romero, Bharat B Kale, Deepak R Patil	School of Chemical Sciences	Chemical Engineering Journal	2017	1385-8947	https://www.sciencedirect.com/science/article/pii/S1385894716311603
73	Design and fabrication of quaternary $Co_{1-x}Zn_xCd_yS$ thin film	SS Kamble, Andrzej Sikora, GT		Materials Letters	2017	0167-577X	https://www.sciencedirect.com/science/article/abs/pii/S0167577X16315877

	photoelectrochemical (PEC) cell	Chavan, ST Pawar, NN Maldar, LP Deshmukh					
74	Compositional dependence of electrical conduction in solution grown Zn _{1-x} Cr _x Se thin films: a correlation	Authors SL Deshmukh, PC Pingale, GT Chavan, ST Pawar, VM Prakshale, SS Kamble, SR Jadkar, NB Chaure, CS Gopinath, NN Maldar, LP Deshmukh	School of Chemical Sciences	Journal of Materials Science: Materials in Electronics	2017	0957- 4522	https://link.springer.com/article/10.1007/s10854-016-6144-3

75	Physical, structural and topographical aspects of Zn _{1-x} CoxSe thin films	<p>Authors Santaji Tanaji Pawar, Ganesh Tanaji Chavan, VM Prakshale, Andrzej Sikora, SM Pawar, Shrishail Sures Kamble, Noormahma d Nabisaheb Maldar, Lalasaheb Patangrao Deshmukh</p>	School of Chemical Sciences	Materials Science in Semiconduct or Processing	2017	1369-8001	https://www.sciencedirect.com/science/article/abs/pii/S1369800116307582
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76	Morphology improvements in CdSe thin films: A realization through mechanical agitation and incubation period	<p>Authors</p> <p>GT Chavan, VM Prakshale, ST Pawar, PR Deshmukh, A Sikora, SS Kamble, NN Maldar, LP Deshmukh</p>		Nano-Structures & Nano-Objects	2017	2352-507X	https://www.sciencedirect.com/science/article/pii/S2352507X1730224X
77	Direct synthesis of quaternary Cd (Zn, S) Se thin films: Effects of composition	<p>GT Chavan, ST Pawar, VM Prakshale, SM Pawar, S Ezugwu, NB Chaure, SS Kamble, NN Maldar, LP Deshmukh</p>	School of Chemical Sciences	Materials Science in Semiconduct or Processing	2017	1369-8001	https://www.sciencedirect.com/science/article/abs/pii/S1369800117309216

78	Quaternary schematics for property engineering of CdSe thin films	GT Chavan, ST Pawar, VM Prakshale, A Sikora, SM Pawar, NB Chaure, SS Kamble, NN Maldar, LP Deshmukh	School of Chemical Sciences	Applied Surface Science	2017	0169-4332	https://www.sciencedirect.com/science/article/abs/pii/S0169433217322080
79	MWCNT incorporated silica aerogel prepared by ambient pressure drying: A recyclable catalyst for multicomponent synthesis of benzylpyrazolyl coumarin at room temperature	Isak Rajjak Shaikh, Noor Mahmad Nabisaheb Maldar, Caroline Sunyong Lee, Rajendra Charandeo Pawar,	School of Chemical Sciences	Iranian Chemical Communication	2018	2423-4958	http://icc.journals.pnu.ac.ir/mobile/article_4216.html

		Hyung-Ho Park, Uzma Khwaja-Husain Bangi					
80	<p>Probing into the optical and electrical properties of hybrid Zn_{1-x}CoxSe thin films</p> <p>Publication date 2018/3/1</p> <p>Journal Journal of Materials Science: Materials in Electronics</p>	<p>Authors ST Pawar, GT Chavan, VM Prakshale, SR Jadkar, SS Kamble, NN Maldar, LP Deshmukh</p>	School of Chemical Sciences	Journal of Materials Science: Materials in Electronics	2018	0957-4522	https://link.springer.com/article/10.1007/s10854-017-8302-7
81	<p>Synthesis and Properties of Metal Oxide Aerogels via Ambient Pressure Drying</p>	<p>Uzma KH Bangi, Kyu-Yeon Lee, Noor Mahmad N Maldar,</p>	School of Chemical Sciences	Journal of nanoscience and nanotechnology	2019	1533-4880	https://www.ingentaconnect.com/content/asp/jnn/2019/00000019/00000003/art00001

		Hyung-Ho Park					
82	Soluble aromatic polyamides containing pendant pentadecyl substituted methoxy phenyl unit	AB Tamboli, NN Maldar	School of Chemical Sciences	Journal of Polymer Research	2019	1022-9760	https://link.springer.com/article/10.1007/s10965-019-1799-0
83	Soluble aromatic polyamides modified by incorporation of 1, 2, 4-triazole and pentadecyl units into the backbone of polymer	Aslam B Tamboli, Rajesh G Bhorkade, Basavraj S Kalshetti, Shivaji D Ghodake, Noormahmad N Maldar	School of Chemical Sciences	Journal of Macromolecular Science, Part A	2019	1060-1325	https://www.tandfonline.com/doi/abs/10.1080/10601325.2019.1602475
84	Synthesis and characterization of processable aromatic poly	AB Tamboli, NN Maldar	School of Chemical Sciences	Polymer Bulletin	2019	0170-0839	https://link.springer.com/article/10.1007/s00289-019-03093-3

	(ether ether ketone amide) s modified by phenoxy and 1, 3 ketone moiety linkages						
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Prof. B. P. Bandgar (Rtd)

85	Synthesis of extended conjugated indolyl chalcones as potent anti-breast cancer, anti-inflammatory and antioxidant agents	Pravin S Bhale, Hemant V Chavan, Sakharam B Dongare, Sadanand N Shringare, Yoginath B Mule, Samadhan S Nagane, Babasaheb P Bandgar	School of Chemical Sciences	Bioorganic & Medicinal Chemistry Letters	2017	0960- 894X	https://www.sciencedirect.com/science/article/pii/S0960894X17301841
86	Synthesis and pharmacological evaluation of combretastatin-A4 analogs of pyrazoline and pyridine derivatives as anticancer, anti- inflammatory and antioxidant agents	Sadanand N Shringare, Hemant V Chavan, Pravin S Bhale, Sakharam B Dongare,	School of Chemical Sciences	Medicinal Chemistry Research	2018	1054- 2523	https://link.springer.com/article/10.1007/s00044-018-2142-8

		Yoginath B Mule, Sandeep B Patil, Babasaheb P Bandgar					
87	Synthesis, Characterization and Evaluation of 1, 3-Bisindolyl-2-Propen-1-One Derivatives as Potent Anti-Breast Cancer Agents	Pravin S Bhale, Hemant V Chavan, Sakharam B Dongare, Sadanand N Shringare, Yoginath B Mule, Praffula B Choudhari, Babasaheb P Bandgar	School of Chemical Sciences	Current Bioactive Compounds	2018	1573-4072	https://www.ingentaconnect.com/contentone/ben/cbc/2018/00000014/00000003/art00013
88	Synthesis and Pharmacological Evaluation of Pyrazoline and Pyrimidine Analogs of Combretastatin-A4 as Anticancer, Anti-inflammatory and Antioxidant Agents	Sadanand N Shringare, Hemant V Chavan, Pravin S Bhale, Sakharam B Dongare, Yoginath B Mule, Nishikant D Kolekar,	School of Chemical Sciences	Croatica Chemica Acta	2018	1334-417X	https://go.gale.com/ps/anonymous?id=GALE%7CA572943560&sid=googleScholar&v=2.1&it=r&linkaccess=abs&issn=00111643&p=AONE&sw=w

		Babasaheb P Bandgar					
89	Design, Synthesis, and Spectroscopic Study of 7-Azaindolyl Hydrazones with Anti-Breast Cancer Activity	Sakharam B Dongare, Babasaheb P Bandgar, Pravin S Bhale, Sadanand N Shringare, Hemant V Chavan	School of Chemical Sciences	Croatica Chemica Acta	2019	1334-417X	https://go.gale.com/ps/anonymous?id=GALE%7CA596849555&sid=googleScholar&v=2.1&it=r&linkaccess=abs&issn=00111643&p=AONE&sw=w
90	Ketene dithioacetal mediated synthesis of 1, 3, 4, 5-tetrasubstituted pyrazole derivatives and their biological evaluation	Pravin S Bhale, Babasaheb P Bandgar, Sakharam B Dongare, Sadanand N Shringare, Dnyaneshwar M Sirsat, Hemant V Chavan	School of Chemical Sciences	Phosphorus, Sulfur, and Silicon and the Related Elements	2019	1563-5325	https://www.tandfonline.com/doi/abs/10.1080/10426507.2019.1565760
91	α -Aroylketene Dithioacetal Mediated Synthesis of (E)-3-(benzo [d] thiazol-2-ylamino)-2-(1-methyl-1H-indole-3-carbonyl)-3-(methylthio) acrylonitrile Derivatives and their ...	Pravin S Bhale, Hemant V Chavan, Sakharam B Dongare, Sagar T Sankpal,	School of Chemical Sciences	Anti-Cancer Agents in Medicinal Chemistry (Formerly Current Medicinal Chemistry-	2018	1875-5992	https://www.ingentaconnect.com/content/ben/acamc/2018/00000018/00000005/art00015

		Babasaheb P Bandgar		Anti-Cancer Agents)			
92	Synthesis of novel α , α -difluoro- β -hydroxycarbonyl pyrazole derivatives as antioxidant, anti-inflammatory and anticancer agents	Salman Mukarram, Babasaheb P Bandgar, Rafik U Shaikh, Shriram D Ganapure, Hemant V Chavan Publication date	School of Chemical Sciences	Journal Medicinal Chemistry Research	2017	1054-2523	https://link.springer.com/article/10.1007/s00044-016-1744-2
93	Preparation and Pharmacological Evaluation of Novel Orally Active Ester Prodrugs of Ketoprofen with Non-Ulcerogenic Property	Valmik D Dhakane, Vishnu N Thakare, Sakharam B Dongare, Pravin S Bhale, Yoginath B Mule, Babasaheb P Bandgar, Hemant V Chavan	School of Chemical Sciences	Journal Chemical biology & drug design	2016	1747-0285	https://onlinelibrary.wiley.com/doi/abs/10.1111/cbdd.12719

94	Indium Trichloride (InCl ₃) Catalyzed Synthesis of Fused 7-Azaindole Derivatives Using Domino Knoevenagel-Michael Reaction	Sakharam B Dongare, Hemant V Chavan, Datta N Surwase, Pravin S Bhale, Yoginath B Mule, Babasaheb P Bandgar	School of Chemical Sciences	Journal of the Chinese Chemical Society	2016	1001-8417	https://onlinelibrary.wiley.com/doi/abs/10.1002/jccs.201500540
95	A catalyst-and solvent-free multicomponent synthesis of 7-azagramine analogues via a Mannich type reaction	Sakharam B Dongare, Hemant V Chavan, Pravin S Bhale, Yoginath B Mule, Amol S Kotmale, Babasaheb P Bandgar	School of Chemical Sciences	Chinese Chemical Letters	2016	1001-8417	https://www.sciencedirect.com/science/article/pii/S1001841715003393