

3. List of publications (UGC-CARE listed and PEER review only)

Sr. No.	Title and Name of authors	Journal	ISSN/ISBN	Volume Issue; Year; Page no.
1	Synthesis And Characterization Of A Novel Ammonia Gas Sensor Based On Pani-Pva Blend Thin Films D.B.Dupare , P. Ghosh, K Datta, A.S.Aswar and M.D. Shirsat	Sensors & Transducers,	ISSN 2306-8515	Vol. 93, Issue 6, June 2008, pp. 103-113.
2	Metal Oxides Doped PPY-PVA Blend Thin Films based Gas Sensor” D. B. Dupare , M. D. Shirsat, and A. S. Aswar	Sensors & Transducers,	ISSN 2306-8515	Vol. 101, Issue 2, February (2009) 82-89
3	“Inorganic Acids Doped PANI-PVA Composites Films as a Gas Sensor D. B. Dupare , M. D. Shirsat, and A. S. Aswar	The Pacific Journal of Science and Technology	ISSN2445-2631	Vol. 10, No 1, May(2009) 417-422.
4	PPY-PVA Blend Thin Films as a Ammines Gas Sensor”	Sensors & Transducers,	ISSN 2306-8515	Vol. 105, Issue 6, June (2009) 94-103.
5	“ Studies of Novel Organic Acid Doped PANI-PVA Blend thin films and their effect on TMA, Ammonia Gas Sensing D.B. Dupare , M.D. Shirsat, M.V. Basaveswara Rao and A.S. Aswar	J. Pham. Tech and Res	ISSN 2249-3387	1(2) December(2009) 61-67 .
6	Synthesis and characterization of polypyrrole-polyvinyl alcohol composite film with various organic acids dopants and their gas sensing behavior Dupare, D.B. , Shirsat, M.D., Aswar, A.S	Indian Journal of Chemical Technology,	ISSN0971-457x	Volume 18, Issue 6, (November 2011), Pages 446-450.
7	PANI-PVA –DBSA doped Composites films Dupare, D.B. , Shirsat, M.D., Aswar, A.S.	Bio-Nano Frontier 7)	ISSN-0974-0678	December(2011) pp-136-138
8	Synthesis of PPY-PVA doped HIO ₃ and HClO ₄ composites ass a sensors	Bio-Nano Frontier	ISSN-0974-0678	6)January (2012) pp157-161.
9	Sensing Properties of MnO ₂ doped polyaniline /polyvinyl alcohol blend D. B. Dupare , M. D. Shirsat, and A. S. Aswar	International journal of Research in Engineering and Technology.	ISSN-2321-7308	VOL(02) (Dec-2013)308-312
10	Sensing ability for trimethyl ammine and ammonia vapour of SnO ₂ doped PANI-PVA Composites	International journal of basic and applied research –	ISSN 2278-0505.	Vol 04-NCMS- (January 2014)86-89
11	D. B. Dupare “Study of polyaniline –polymethylmethacraylate blend films for amine sensor”	International journal of modern in Engineering and Research”–	ISSN 2349-9745	Vol 01(November 2014)215-220

12	D. B. Dupare “Some common medicinal plant recurring jaundices disease as future source of drugs ”	International Journal of Biolife	ISSN (online): 2320-4257	January 2016, Vol(4) pp 94-99
13	D. B. Dupare ” Diversity of Medicinal plants in Satpuda hills Region, District Amravati (M.S.)”	Vidyabharati International interdisciplinary research journal	ISSN 2319-4979	12-march 2016
14	D. B. Dupare “Vitex negundo medicinal plant analysis by morden HPTLC technique”	International Journal of Applied Research	ISSN 2394-5869	pp125-131. special Issue 2017
15	D. B. Dupare “Phytochemical Study of Some Antidibetic Medicinal Plants In Satpuda Region”	Aayushi International Interdisciplinary Research Journal (AIIRJ)	ISSN 2349-638x.	Issue No. 26 ,2018, pp1186-1191”
16	D.B.Dupare “Polypyrrole – polyvinyl alcohol –DBS composites film as a gas sensor	Journal of Applied Science and Computation”	ISSN 1076-5131	pp909-913. 2018.January 2019
17	D.B.Dupare and M.D.Shirsat “Polypyrrole –polyvinyl alcohol doped Al ₂ O ₃ composites as a gas sensor.	International Journal of Advance and Innovation Research	e-ISSN 2394-7780	march 2019 pp17-21
18	D. B. Dupare “Phytochemical Investigation Dibetic Control of Some Medicinal Plant	RESEARCH JOURNEY” International E-Research Journal	-ISSN 2348-7143	eFebruary -2019 pp95-101
19	D. B. Dupare, Mohd Mujahid and Abadul sahad, “A new Method for N-Tert-Butoxy Carbonylation of ammine using urea as an Organocatalyst.”	Aayushi International Interdisciplinary Research Journal (AIIRJ)	ISSN 2349-638x.	No. 70,24 January 2020 pp29-32”
20	D. B. Dupare,, “Catharanthus Roseus Medicinal Plant Study To Reduce Diabetic	.” Aayushi International Interdisciplinary Research Journal (AIIRJ)	ISSN 2349-638x. Special”	Issue No. 70,24 January 2020 pp183-186
21	D. B. Dupare “Polypyrrole – Polyvinyl Alcohol –Composites Films Modified By iron Chloride As An Dopent For Ammine Gas Sensor “	Journal Of Engineering And Technology And Innovative Research (JETIR).	ISN 2349-5162	February 2020 vol 7 (2) Pp672-678
22	D. B. Dupare “To Study Leaf Extract Of Ricinus Communis L: To Cure Jaundice And increase Wbc Of Blood”	Vidyabharati International Interdisciplinary Research Journal (	ISSN 2319-4979.	Special Issue-Oct 2020).pp170-173
23	D. B. Dupare “Phytochemical anylasis of medicinal Herbs Hyptis-Suaveolens and their application as home remedies.”Scholars Impact: www.scholarsimpact.com Impact Factor: 5.98	International Multidisciplinary Multilingual Peer Reviewed Research Journal	ISSN 2394-7632,	vol 7 Issue 3 September 2020. pp259-263.

24	D. B. Dupare “Ammine Gas Monitoring: polypyrrole –nickel chloride doped films Sensor”.	International Journal For Innovative Research In Multidisciplinary Field	ISSN: 2455-0620	Special Issue : 21, Jan– 2021 Impact Factor: 6.719 PP235-238
25	D. B. Dupare “ Gas monitor composites: Polypyrrole –Polyvinyl alcohol -Nickel chloride”	International Research Mirror	,ISSN 2250-253X	VOL-1, Issue –I, JAN 2021 :183-187
26	D. B. Dupare “Composites : Poly Aniline–Polyvinyl Alcohol–Cuprous Chlorides Applied Different Temperature for Gas Detector” https://www.ijrst.com/	International Journal of Scientific Research in Science and Technology	– ISSN-2395-6011	Volume 8 - Issue 1 - Published : February 10, 2021, Page No : 107-111.
27	D. B. Dupare “Synthesis and Characterization of Silver Nanoparticle Zingiber Officinale Extract and their Antibacterial Activity” (https://www.ijarsct.co.in.	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) Scientific Journal	ISSN - 2581-9429	December 2021, PP512-518.
28	Synthesis of Optically Active Neolignans Ligraminol D and EG. S. Ghotekar, M.Mujahid, M. Muthukrishnan	Synthesis	ISSN: 0039-7881	2019, 51 (22), 4291
29	An alternative synthesis of the CNS stimulant Prolintane M. Mujahid,* G. V. Korpe, S. P. Deshmukh, S. G.Bhadange, M. Muthukrishnan	Arkivoc	ISSN: 1551-7012	2019, part v, 292
30	Total Synthesis of Marine Natural Products Serinolamide A and Columbamide D	ACS Omega	ISSN: 2470-1343	2019, 4, 1322
31	Synthesis, Biological Evaluation and Molecular Modeling Studies of Novel Chromone/Aza-Chromone Fused α -Aminophosphonates as Src Kinase Inhibitors S Bapat, N Viswanadh, M Mujahid, Amir Nasrolahi Shirazi, RK Tiwari, Keykavous Parang, M Karthikeyan, M Muthukrishnan, Renu Vyas	JSIR	ISSN: 0975-1084	Vol.78(02) [February 2019], Pg:111-117
32	An efficient and cost effective synthesis of acetamides	Indian J. Chem	ISSN: 0975-0983	2019, Vol 58B, 1125

	catalyzed by calcium chloride M. T. Sangole, S. M. Thorat, S. Shirsath, S. P. Deshmukh, M. Muthukrishnan, M. Mujahid*			
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4. Book published

Sr. No.	Title & Name of author	Name of publisher; ISBN no.
1	B.Sc-II SEM-IV Test book of chemistry, Dr. D. B. Dupare	A pragati publication & AUCTA
2	B.Sc-I SEM-II Test book of chemistry, Mr.G.H. Murhekar	A pragati publication & AUCTA

List of Patents:

1. M. Muthukrishnan*, **M. Mujahid**, P. Mujumdar. *New process for the preparation of the antiepileptic drug lacosamide. US patent 8,748,660 B2.*
2. M. Muthukrishnan*, **M. Mujahid**. *New process for the preparation of the anticonvulsant agent pregabalin. US patent 9422230 B2, PCT Int. App. WO 2014/181359.*
3. M. Muthukrishnan*, **M. Mujahid**. *New method of preparation of anti-parkinson agent safinamide. US patent 9,475,757 B2, PCT Int. App. WO 2014/178083.*
4. M. Muthukrishnan*, **M. Mujahid**. *A new process for the preparation of 3-aryl-2-hydroxy propanoic acid derivatives, useful pharmaceutical intermediates of PPAR agonists. US patent 9550719 B2, PCT Int. App. WO 2014/181362.*
5. M. Muthukrishnan*, **M. Mujahid**. *Process for the preparation of bepridil. PCT Int. App. WO 2016/098128.*
6. M. Muthukrishnan*, **M. Mujahid**, P. Mujumdar. *New process for the preparation of the antiepileptic drug levetiracetam in high optical purity. WO-patent CSIR application no. 2652/DEL/2012, Filing date: 27/08/2012.*
7. **M. Mujahid***, S. P. Deshmukh, S. G. Bhadange, G. V. Korpe. *Process for the preparation of central nervous system (CNS) stimulant Prolintane. Patent No. 347873 Grant Date: 28/09/2020*