

# RESEARCH PAPERS AUTHORED BY FACULTIES PUBLISHED BY NATIONAL AND INTERNATIONAL JOURNALS

(LAST FIVE YEARS)

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number
1. Thermoluminescence Characteristics of Ce <sup>3+</sup> in halosulphate Phosphor synthesized by solid state diffusion reaction	S. C. Gedam	Physics	Technical Research organization India, 5 1 (2018) 75-79	2017	2393-8374
2. A biological evaluation of 3-(2-hydroxyl-3, 4- benzophenyl-5-methoxy)-5-Aryl-1-Substituted Pyrazolines	A. R. Bijwe	Chemistry	International Journal of Researches in Biosciences,Agriculture & Technology, Vol- V , 2, (2017) 704-706	2017	2347-517X
3. Diversity of common Anisopterans of Khumari Dam Spillway and reservoir, Maharashtra, India	V.A. Shende	Zoology	International Journal of Researches in Biosciences,Agriculture & Technology, Vol- V , 2, (2017) 222-225	2017	2347-517X
4. Monitoring water quality using zooplankton organisms as bioindicators in the well water of Nagpur City, India	A. N. Darvekar	Zoology	International Journal of Researches in Biosciences,Agriculture & Technology, Vol- V , 2, (2017) 877-885	2017	2347-517X
5. A Study of Internet and its use in Kalmeshwar	V. S. Borkar	Lib. Science	“Vidyawarta”, International Multilingual Research Journal, 20,06, (2017)10-13	2017	2319-9318
6. Role of library in information literacy	V. S. Borkar	Lib. Science	International journal of multifaceted and multilingual studies, Vol. V (I) (2018) 233-234	2017	2394-207X
7.Detection of Amino acids from selected wound healing plant species by thin layer chromatography	A. M. Shrirame	Botany	International Journal of Researches in Biosciences, Agriculture & Technology, Vol- VI , 3, (2018) 79-82	2018	2347-517X
8.Loading effect of hematite on morphology and conductivity of PPY/A-Fe <sub>2</sub> O <sub>3</sub> Nanocomposites	U.B. Mahatme	Physics	Review of Research, 7, 9 (2018) 1-5	2018	2249-894X
9.Frequency response of room temperature AC conductivity and morphology of PPY/V <sub>2</sub> O <sub>5</sub>	U.B. Mahatme	Physics	Research Direction, 5, 12 (2018) 1-5	2018	2321- 5488
10. Aves of Ajanti reservoir region of Wena river, Hinganghat (Wardha) Central	V.A. Shende	Zoology	Int. Res.J.of Science and Engineering,6 (2) (2018) 55-76	2018	2322-0015

India					
11. THERMOLUMINESCENCE CHARACTERISTICS OF Ce <sup>3+</sup> IN HALOSULPHATE PHOSPHOR SYNTHESIZED BY SOLID STATE DIFFUSION REACTION –	S. C. Gedam	Physics	INTERNATIONAL JOURNAL OF CURRENT ENGINEERING AND SCIENTIFIC RESEARCH (IJCESR) 5, (2018) 1, 75-77	2018	2394-0697
12. ENERGY TRANSFER IN K <sub>2</sub> Ca(SO <sub>4</sub> ) <sub>3</sub> :Ce <sup>3+</sup> , Dy <sup>3+</sup> ,	S. C. Gedam	Physics	INTERNATIONAL JOURNAL OF CURRENT ENGINEERING AND SCIENTIFIC RESEARCH (IJCESR) 5, (2018) 1, 119-123	2018	2394-0697
13. Thermoluminescence (TL) glow curve study of SrBa(SO <sub>4</sub> ) <sub>2</sub> :Tb and SrBa(SO <sub>4</sub> ) <sub>2</sub> :Ce,Tb phosphor	S. C. Gedam	Physics	International Journal of Scientific Research in Science and Technology (IJSRST), 4, 1, (2018) 164-166	2018	<b>2395-602X</b>
14. Dy <sup>3+</sup> emission of K <sub>2</sub> Zn(SO <sub>4</sub> ) <sub>2</sub> synthesized by WCM	S. C. Gedam	Physics	, International Journal of Scientific Research in Science and Technology, (IJSRST) 4, 1, (2018) 80-82	2018	<b>2395-602X</b>
15. Comparative Photoluminescence Study of Nanomaterial Kmgso <sub>4</sub> cl :Cu with Different Synthesis Route for Lamp Application ,	S. C. Gedam	Physics	International Journal of Scientific Research in Science and Technology, (IJSRST), 4, 1, (2018) ,262-265	2018	<b>2395-602X</b>
16. Effect of oxydent, dopant and MO additive loading on morphology , conductivity and dielectric constant of 3D conducting polymer PPy/a-Fe <sub>2</sub> O <sub>3</sub> Nanocomposites	U. B. Mahatme	Physics	AIP,2104/02007 (2019)	2018	
17. Frequency response of room temp AC conductivity and morphology of PPy/V <sub>2</sub> O <sub>5</sub>	U. B. Mahatme	Physics	Journal Research Directions, 5 (12), 2018, 1-8	2019	2321-5488
18. Loading effect of Hematite on morphology and conductivity of PPy/a-Fe <sub>2</sub> O <sub>3</sub> Nanocomposites	U. B. Mahatme	Physics	Review of Research Journal , 7 (9), 2018, 1-9	2019	2249-894X
19. Survey on diversity of wild annual plants species at KZS Science College campus locality, Bramhani, Kalmeshwar	A. M. Shrirame & S. R. Hiwale	Botany	International multidisciplinary quarterly research journal	2019	----
20. Detection of Amino acids from selected wound healing plant species by Thin layer Chromatography	A. M. Shrirame	Botany	International journal of researches in biosciences, Agriculture and Technology	2019	2347 – 517X
21. Effect of $\gamma$ -radiation on TL, ESR and	S. C. Gedam	Physics	Radiation Effects and Defects in Solids	2019	1029-4953

evaluation of trapping parameters of $K_2Ca(SO_4)_2 \cdot X$ ( $X = Dy$ or $Eu$ ) phosphors					
22. Dielectric study of polyaniline in the low frequency range at room temperature and 70 °C respectively	A.H. Rangari U. B. Mahatme	Physics	Mukt Shabd Journal	2019	2347-3150
23. Butterfly Diversity in and around Ramtek Gadmandir forest area, central india.	M. P. Thakre	Zoology	Journal of Entomology and Zoology Study	2019	2320-7078
24. Localization of neuropeptide gamma amino butyric acid (GABA) immunoreactivity in the sub oesophageal ganglion (SOG) of <i>Antheraea mylitta</i>	M. P. Thakre	Zoology	Journal of Entomology and Zoology Study	2019	2320-7078
25. Bianchi Type I Bulk Viscous Fluid String Dust Magnetized Cosmological Model with A – Term in Bimetric Theory of Gravitation.	S. S. Charjan	Mathematics	International Journal of Scientific Research in Mathematical and Statistical Sciences	2019	2348-4519
26. Online Services of Maharashtra Government Portal	V. S. Borkar	Library Science	Our Heritage	2019	---
27. Use of Communication Technology: A case study	V. S. Borkar	Library Science	Our Heritage	2019	----
28. Metal-Ion Binding Properties of Copolymer Resin ;Synthesis, Characterization and its Application as an ion –Exchanger	Dr. R.H. Gupta	Chemistry	Alochana Chakra Journal page no. 106-117 Volume IX.Issue V,	2020	2231-3990
29. Genetic Relationship Among <i>Leptogenys Chinensis</i> and <i>Myrmecaria Brunnea</i> (Hymenoptera: Formicidae) by RAPD Molecular Markers	M. P. Thakre	Zoology	European Journal of Biology and Biotechnology, V o l 1   I s s u e 4   A u g u s t	2 0 2 0	2684-5199
30. Traditionally used plant species to cure wound and bone fracture healing	A.M.Shrirame	Botany	Power of Knowledge VOI-I, Issue-III ,Dec-2020	2020	2320-4494
31. Preparation of UV, LASER and white light sensitive conducting polymer poly (3, 4-ethylenedioxythio phenepedot nanoparticles	U. B. Mahatme and Aparna Rangari	Physics	Materials Today Ref No. MATPR-D-21481	2021	ISSN: 2214-7853
32. Magnetic Susceptibility and frequency dependence ac conductivity of PPY/PANI/V2O5 nanosheets	U. B. Mahatme and Aparna Rangari	Physics	Materials Today: Proceedings	2021	ISSN: 2214-7853
33. Effect of oxidants and dopant on morphology, crystallinity and optical absorbance of nano structural polyindole	U. B. Mahatme and Aparna Rangari	Physics	Materials Today: Proceedings Impact Factor 1.5	2021	ISSN: 2214-7853
34. Biological studies of pyrazole derivatives obtained from 4-bromo naphthalene 1-ol.	A.R.Bijwe	Chemistry	Journal of immerging technologies and innovative research (JETIR) journal number 63975/volume 8 , issue 7	2021	2349-5162

35. Histological evidence of BmNPV transmission in F1 progeny of silkworm , <i>Bombyx mori</i> L.	A.N.Darvekar	Zoology	Journal of Applied Bioscience (2020). Vol . 46 ( 1 & 2) pp.56-63.	2021	0975-685X
36. Occurrence of freshwater zooplankton in Khumari dam spillway and reservoir near Kalmeshwar, MS., India.	A.N. Darvekar	Zoology	Journal of Applied Bioscience Vol . 46 ( 1 & 2) pp.83-86.	2021	0975-685X
37. Biochemical characterization of some Cyanobacteria	.L.L.Sawarkar	Botany	I J R B A T, Issue (IX), Vol. II, May: 28-31	2021	2347 – 517X
38.A Study on effect of yogic practices on attitude of junior college boys of Nagpur during lockdown	G. L. Makkasare	Physical education	Kalyan Bharti, Journal on Indian History and culture, pp. 150-155; Vol. 36, No. (IX) 2021	2021	0976-0822
39. Physicochemical and phytochemical screening of <i>Cymbopogon citrates</i> (DC.)	A.M.SHRIRAME	BOTANY	AJANTA; Vol. XI (I) :138-146	2021	2277-5730
40. Analysis of bioactive compounds and ant bacterial activity from <i>Pseuderanthemum atropurpureum</i> (W. Bull) Radlk.	A.M.SHRIRAME	BOTANY	IRJSE; A11:301-305	2021	2322-0015
41. A Study on effect of yogic practices on attitude of junior college boys of Nagpur during lockdown	Dr. G. L. Makkasare	Physical Education	Kalyan Bharti, Journal on Indian History and culture, pp. 150-155; Vol. 36, No. (IX) 2021	2021	0976-0822
42. BIOCONVERSION AND NUTRITIONAL PERFORMANCE OF BLACK SOLDIER FLY, <i>HERMENCIA ILLUCENS</i> L. NURTURED ON CHICKEN & FISH MARKET WASTE	A. N. DARVEKAR	Zoology	World Journal of Pharmaceutical & Life Sciences (WJPLS) wjpls, , Vol. 8, Issue 5, 93-102	2022	ISSN 2454-2229
43. PREVALENCE OF BACTERIA IN THE HIND GUT AND THEIR POSSIBLE ROLE IN CAUSING BACTERIAL DISEASE IN THE SILKWORM, <i>BOMBYX MORI</i>	A. N. DARVEKAR	Zoology	Journal of Applied Biosciences, 48(1): 46-57.	2022	ISSN (Online) 0975-864X ISSN (Print) 0975-685X
44. PREVALENCE OF BACTERIA IN NEWLY EMERGED FIRST INSTAR NYMPH AND THEIR ROLE ON DEVELOPMENT OF MIGRATORY LOCUST, <i>LOCUSTA MIGRATORIA</i> (R&F)	A. N. DARVEKAR	Zoology	Journal of Applied Biosciences, 48(1): 58-67.	2022	ISSN (Online) 0975-864X ISSN (Print) 0975-685X
45. Study of biological molecules and DNA nanotechnology	A.R. Bijwe	Chemistry	Bulletin of environment, pharmacology and Life sciences Vol.10[11]	2022	ISSN 2277-1808
46. Physicochemical and	L.L.Sawarkar	Botany	AJANTA;	2022	2277-5730

phytochemical screening of Cymbopogon citrates (DC.)			Vol.XI(I) :161-166;		
47. Synthesis and Characterization of thermal degradation kinetics of a copolymer its composite with activated charcoal.	R.H.Gupta	Chemistry	IJARST, Vol.12 ,issue 4	2022	2581-9429
48. Synthesis Characterization and Electrical properties of copolymer derived 2-Amino- 6- Nitro- Benzothiazole, Dithioamide and Formaldehyde	R.H.Gupta	Chemistry	IJARST, VOL.12,4	2022	2581-9429
49. Synthesis Characterization and Photolumiscence study of copolymer derived from 2-Amino 6-Nitrothizole and Oxamide with formaldehyde	R.H.Gupta	Chemistry	IJARST, Vol2,Issue4,	2022	2581-9429
50. Non-Isothermal decomposition study of copolymerderived from 2- Amino 6-nitrobenzothizole,Melamine and formaldehyde	R.H.Gupta	Chemistry	Material Today;Proceeding,5	2022	2214-7853
51. Physicochemical and phytochemical screening of Cymbopogon citrates (DC.)	S. R. Hiwale	BOTANY	AJANTA; Vol.XI(I) :138-146	2022	2277-5730
52. Synthesis, characterization and Morphology of organic copolymer Resin-III resulting from 1, 5- diaminophthalene and formaldehyde.	A.P. Ganorkar	Chemistry	IJARST	2022	2581-9429
53. A synthesis, Characterization, and Dielectric Behaviour Studies of Polyaniline/Ba(OH)28H2O	Dr A.H. Rangari, Dr.U. B. Mahatme	Physics	AIP Conference Proceeding	2023	
54.Immunohistochemical localization of histamine neuropeptide in the brain neurosecretory cells of tasar silkworm, <i>Antheraea mylitta</i> (DRURY)	Dr. M. P. Thakre	Zoology	Journal of Entomology and Zoology Studies 2022; 10(6): 229-233	2023	E-ISSN: 2320-7078
55.Effects of Plasma Nitriding Process on AISI 304 Stainless Steel	Dr.U. B. Mahatme	Physics	E3S Web of Conferences <a href="#">Scopus</a> indexed Journal Impact factor 0.5	2023	eISSN: 2267-1242
	Dr.U. B. Mahatme	Physics	E3S Web of Conferences	2023	eISSN: 2267-

56. Effects of Salt Bath Nitriding Process on AISI 309 Stainless Steel			<a href="#">Scopus</a> indexed Journal Impact factor 0.5		1242
57. Assessment of Wear Properties on Treated AISI 410 Martensitic Stainless Steel by Annealing Process	Dr. U. B. Mahatme	Physics	E3S Web of Conferences	2023	eISSN: 2267-1242
58. A synthesis, Characterization and Dielectric Behaviour Studies of Polyaniline/Ba(OH) <sub>2</sub> ·8H <sub>2</sub> O	Dr. U. B. Mahatme	Physics	AIP conference proceedings	2023	ISSN: 0094-243X
59. Synthesis and Characterization of Sulphate based Thermoluminescence Material	Dr. S. C. Gedam	Physics	BADhar Multidisciplinary International Research Journal, Issue NO, (CCCXCV) 395-A (2023) 288-291.	2023	ISSN -2278-9308
60. Synthesis and characterization of hexagonal Ferrites Sr <sub>0.81</sub> Ba <sub>0.2</sub> Fe <sub>11.7</sub> La <sub>0.2</sub> O <sub>19</sub> .	Dr. S. C. Gedam	Physics	BADhar Multidisciplinary International Research Journal, Issue NO, (CCCXCV) 395-A (2023) 78-84.	2023	ISSN -2278-9308
61. A review on Ni <sub>0.25</sub> Cu <sub>0.2</sub> Zn <sub>x</sub> Fe <sub>2-x</sub> O <sub>4</sub> Ferrites Material; Synthesis and characterization	Dr. S. C. Gedam	Physics	BADhar Multidisciplinary International Research Journal, Issue NO, (CCCXCV) 395-A (2023) 85-88.	2023	ISSN -2278-9308
62. Studies on Solar Power conversion efficiency of CdSe <sub>0.7</sub> Te <sub>0.3</sub> / Polysulphide photo electrochemical solar cell.	Dr. S. C. Gedam	Physics	BADhar Multidisciplinary International Research Journal, Issue NO, (CCCXCV) 395-A (2023) 89-92.	2023	ISSN -2278-9308
63. Review on electrolyte materials for IT-SOFC perspective	Dr. S. C. Gedam	Physics	BADhar Multidisciplinary International Research Journal, Issue NO, (CCCXCV) 395-A (2023) 112-115.	2023	ISSN -2278-9308
64. Synthesis and Characterization of Bis (8 Hydroxyquinoline) Zn-Metal complex for Application in OLED devices	Dr. S. C. Gedam	Physics	BADhar Multidisciplinary International Research Journal, Issue NO, (CCCXCV) 395-A (2023) 116-121.	2023	ISSN -2278-9308
65. Luminescent materials as spectral converters for solar cells: Downshifting, Down conversion and Up conversion	Dr. S. C. Gedam	Physics	BADhar Multidisciplinary International Research Journal, Issue NO, (CCCXCV) 395-B (2023) 20-23.	2023	ISSN -2278-9308

साहित्याचा ग्रंथसूचित्मक अभ्यास 66. (Bibliographic study of literature)	P. N. Mankar	Library and Information Science	GENIUS (An International Multidisciplinary Half Yearly Research Journal)	2023	2279-0489
67. महाविद्यालय ग्रंथालय वाचकांसाठी नवोपक्रम आणि सेवा व सुविधा (Innovations and services and facilities for college library readers)	Dr. Vikas borkar	Library	Library scholar	2023	2583-2549