



# Vinayak Vidnyan Mahavidyalaya, Nandgaon Kh.

Affiliated to Sant Gadge Baba Amravati University, Amravati

## NAAC

### Criterion-III

## Research, Innovations and Extension

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Nandgaon Khandeshwar, Amravati 

## **CRITERION-III**

### **DVV Clarification**



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**3.3.1 Provide link landing to the research paper, provide link to the Journal website, provide URL of the content page in case print journal**

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## VINAYAK VIDNYAN MAHAVIDYALAYA

Nandgaon Khandeshwar, Dist. Amravati

(An Institute run by Pravin Khodke Memorial Trust, Amravati)

Sau. Sulbha Sanjay Khodke  
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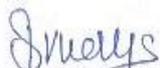
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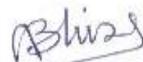
10/05/2023

### SELF DECLARATION

This is to certify that, the information, reports, true copies of the supporting documents, numerical data and web links furnished in this file are verified by I.Q.A.C. and head of the Institution and found correct.

Hence this certificate is issued.

  
**Dr. Suchita Khodke**  
**I.Q.A.C. Co-ordinator**  
Vinayak Vidnyan Mahavidyalaya  
Nandgaon Kh.

  
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Nandgaon Khan, Dist. Amravati





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Date: 7/07/2023

### DVV Clarification:

**3.3.1 Provide link landing to the research paper, provide link to the Journal website, provide URL of the content page in case print journal.**

Institute point-wise response to clarification asked by NAAC in metric 3.3.1:

- 1. Provide link landing to the research paper, provide link to the Journal website, provide URL of the content page in case print journal.**

The link landing to the research paper, link to the Journal website and URL of the content page in case print journal are provided here with.



PRINCIPAL

Vinayak Vidnyan Mahavidyalaya,  
Nandgaon Kha. Dist. Amravati

## 3.3.1 Number of research papers published per teacher in the Journals notified on UGC care list during the last five years

3.3.1.1. Number of research papers in the Journals notified on UGC CARE year wise during the last five years

Year	2021-22	2021-22	2019-20	2018-19	2017-18
Number	19	11	33	3	1

# Vinayak Vidnyan Mahavidyalaya, Nandgaon Kh.

## 3.3.1 Number of papers published per teacher in the Journals notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to website of the Journal	Link to article/paper/abstract of the article
Magnetically Retrievable Fe-doped TiO <sub>2</sub> Nanoparticles for Photo-induced Toxic Dye Removal Applications	Saurabh B. Somwanshi, Sandeep B. Somvanshi, <b>Prashant B. Kharat</b> , Nanasaheb D. Thorat	Physics	Macromolecular Symposia, Wiley Publishing	2021-22	1521-3900	<a href="https://onlinelibrary.wiley.com/journal/15213900">https://onlinelibrary.wiley.com/journal/15213900</a>	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/masy.202100112">https://onlinelibrary.wiley.com/doi/abs/10.1002/masy.202100112</a>
Synthesis, Spectroscopic and Antimicrobial Studies of Cu (II) and Fe (III) Complexes of Heterocyclic Schiff Base Ligand	Deshmukh SY 1* , <b>Padole NS2</b> , Wadekar MP 3 , Chaudhari MA	Chemistry	Journal of Chemical and Pharmaceutical Research	2021-22	ISSN : 0975-7384	<a href="https://www.jocpr.com/pdf/ABSTRACTED-INDEXED-JOCPR.pdf">https://www.jocpr.com/pdf/ABSTRACTED-INDEXED-JOCPR.pdf</a>	<a href="https://www.jocpr.com/articles/synthesis-spectroscopic-and-antimicrobial-studies-of-cu-ii-and-fe-iii-complexes-of-heterocyclic-schiff-base-ligand.pdf">https://www.jocpr.com/articles/synthesis-spectroscopic-and-antimicrobial-studies-of-cu-ii-and-fe-iii-complexes-of-heterocyclic-schiff-base-ligand.pdf</a>

Investigation of Super-Capacitive Properties of Nanocrystalline Copper-Zinc Ferrite Nanoparticles (Cu <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> )	<b>Prashant B. Kharat</b> , Sandeep B. Somvanshi, Saurabh B. Somvanshi, Anuja M. Mopari	Physics	Macromolecular Symposia, Wiley Publishing	2021-22	1521-3900	<a href="https://onlinelibrary.wiley.com/journal/15213900">https://onlinelibrary.wiley.com/journal/15213900</a>	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/masy.202100162">https://onlinelibrary.wiley.com/doi/abs/10.1002/masy.202100162</a>
Surface Functionalized Superparamagnetic Zn-Mg Ferrite Nanoparticles for Magnetic Hyperthermia Application Towards Noninvasive Cancer Treatment	Sandeep B. Somvanshi, <b>Prashant B. Kharat</b> , K. M. Jadhav	Physics	Macromolecular Symposia, Wiley Publishing	2021-22	1521-3900	<a href="https://onlinelibrary.wiley.com/journal/15213900">https://onlinelibrary.wiley.com/journal/15213900</a>	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/masy.202100124">https://onlinelibrary.wiley.com/doi/abs/10.1002/masy.202100124</a>
Low-cost Fabrication of Zn-doped MnFe <sub>2</sub> O <sub>4</sub> (Mn <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> ) Film for H <sub>2</sub> S Gas Sensing Applications	<b>Prashant B. Kharat</b> , Sandeep B. Somvanshi, Saurabh B. Somvanshi, Anuja M. Mopari	Physics	Macromolecular Symposia, Wiley Publishing	2021-22	1521-3900	<a href="https://onlinelibrary.wiley.com/journal/15213900">https://onlinelibrary.wiley.com/journal/15213900</a>	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/masy.202100147">https://onlinelibrary.wiley.com/doi/abs/10.1002/masy.202100147</a>

Synthesis, Characterization and Hyperthermic Evaluation of PEGylated Superparamagnetic MnFe <sub>2</sub> O <sub>4</sub> Ferrite Nanoparticles for Cancer Therapeutics	<b>Prashant B. Kharat</b> , Sandeep B. Somvanshi, Saurabh B. Somvanshi, Anuja M. Mopari	Physics	Macromolecular Symposia, Wiley Publishing	2021-22	1521-3900	<a href="https://onlinelibrary.wiley.com/journal/15213900">https://onlinelibrary.wiley.com/journal/15213900</a>	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/masy.202100130">https://onlinelibrary.wiley.com/doi/abs/10.1002/masy.202100130</a>
Sol-Gel Derived Cobalt-Doped CeO <sub>2</sub> Nanocomposite on Gold Electrode for Glucose Electrochemical Sensing	N.H. Bansod, G.N. Chaudhari, A.B. Bodade, <b>Prashant B. Kharat</b>	Physics	Asian Journal of Chemistry, Asian Publication Corporation	2021-22	0970-7077	<a href="https://asianjournalofchemistry.co.in/Home.aspx">https://asianjournalofchemistry.co.in/Home.aspx</a>	<a href="https://asianjournalofchemistry.co.in/user/journal/viewarticle.aspx?ArticleID=34_5_29">https://asianjournalofchemistry.co.in/user/journal/viewarticle.aspx?ArticleID=34_5_29</a>
Enhancement of Electrical Conductivity in PVA Film by Doping with Li <sup>+</sup> ion	<b>A. S. Wadatkar</b> , A.V. Turkhade,	Physics	International Journal of Scientific Research in Science and Technology Volume 9   Issue 13	2021-22	Print ISSN: 2395-6011 Online ISSN: 2395-602X	<a href="https://ijsrst.com/archive.php?v=13&amp;i=79&amp;pyear=2022">https://ijsrst.com/archive.php?v=13&amp;i=79&amp;pyear=2022</a>	<a href="https://ijsrst.com/IJSRST222913102">https://ijsrst.com/IJSRST222913102</a>
SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL EVALUATION OF 4-(4-BROMO 1-HYDROXY	VM Sherekar, <b>KP Kakade</b> , NS Padole	Chemistry	Journal Of Emerging Technology And Ennovative Research(JETIR)	2021-22	(ISSN-2349-5162)	<a href="http://www.jetir.org">www.jetir.org</a>	<a href="https://www.jetir.org/view?paper=JETIR2201404">https://www.jetir.org/view?paper=JETIR2201404</a>

SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL EVALUATION OF 4- (4-BROMO 1- HYDROXY NAPHTHALEN-2- YL)-6-(4- METHOXY PHENYL)-5,6- DIHYDROPYRIMIDI NE-2(1H)-ONE)	<b>VM Sherekar, KP Kakade, NS Padole</b>	Chemistry	Journal Og Emerging Technology And Ennovative Research(JETIR)	2021-22	(ISSN- 2349-5162)	<a href="http://www.jetir.org">www.jetir.org</a>	<a href="https://www.jetir.org/view?paper=JETIR2201404">https://www.jetir.org/view?paper=JETIR2201404</a>
SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL EVALUATION OF 4- (4-BROMO 1- HYDROXY NAPHTHALEN-2- YL)-6-(4- METHOXY PHENYL)-5,6- DIHYDROPYRIMIDI NE-2(1H)-ONE)	VM Sherekar, KP Kakade, <b>NS Padole</b>	Chemistry	Journal Og Emerging Technology And Ennovative Research(JETIR)	2021-22	(ISSN- 2349-5162)	<a href="http://www.jetir.org">www.jetir.org</a>	<a href="https://www.jetir.org/view?paper=JETIR2201404">https://www.jetir.org/view?paper=JETIR2201404</a>
Medicinal efficiency of halo chlconemines by determination of stability constant	<b>Kavita P. Kakade</b>	Chemistry	Journal Og Emerging Technology And Ennovative Research(JETIR)	2021-22	(ISSN- 2349-5162)	<a href="http://www.jetir.org">www.jetir.org</a>	<a href="https://www.jetir.org/view?paper=JETIR2201404">https://www.jetir.org/view?paper=JETIR2201404</a>

Synthesis, Spectroscopic, Characterization, electrical conductivity and biological studies of heterocyclic schiff base metal complexes.	Deshmukh SY 1* , <b>Padole NS2</b>	Chemistry	Journal of emerging technologies and Innovative research	2021-22	ISSN:23495162	<a href="https://www.jetir.org/authorhome">https://www.jetir.org/authorhome</a>	<a href="https://www.jetir.org/view?paper=JETIR2201404">https://www.jetir.org/view?paper=JETIR2201404</a>
SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL EVALUATION OF 4-(5- CHLORO-8-HYDROXY NAPHTHALEN-2-YL)- 6-(4-METHOXY PHENYL) 5,6	<b>VM Sherekar, NS Padole</b>	Chemistry	Journal of emerging technologies and Innovative research	2021-22	ISSN-2349-5162	<a href="http://www.jetir.org">www.jetir.org</a>	<a href="https://www.jetir.org/papers/JETIR2207311.pdf">https://www.jetir.org/papers/JETIR2207311.pdf</a>
SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL EVALUATION OF 4-(5- CHLORO-8-HYDROXY NAPHTHALEN-2-YL)- 6-(4-METHOXY PHENYL) 5,6	<b>VM Sherekar, NS Padole</b>	Chemistry	Journal of emerging technologies and Innovative research	2021-22	ISSN-2349-5162	<a href="http://www.jetir.org">www.jetir.org</a>	<a href="https://www.jetir.org/papers/JETIR2207311.pdf">https://www.jetir.org/papers/JETIR2207311.pdf</a>
Biodiversity of Moths in Hinganghat Taluka, Wardha, Maharashtra (India)	Mamta Chandrakar, P.S.Kalode . Dr <b>G.S.Pachlore</b>	Zoology	Advances in Zoology and Botany	2021-22	ISSN: 2331-5091 (Online)	Website: <a href="https://www.hrpub.org/journals/journal_info.php?id=14">https://www.hrpub.org/journals/journal_info.php?id=14</a>	<a href="https://www.hrpub.org/download/2020330/AZB3-11426125.pdf">https://www.hrpub.org/download/2020330/AZB3-11426125.pdf</a>

CONVOLUTION THEOREM OF QUATERNION EXTENDED FRACTIONAL MELLIN TRANSFORM AND ITS PROPERTIES	<b>P.B. Deshmukh</b> , V.D. Sharma	Mathematics	NOVYI MIR Research Journal	2021-22	0130-7673	<a href="https://novyimir.net/VOLUME-7-ISSUE-4-April-2022/">https://novyimir.net/VOLUME-7-ISSUE-4-April-2022/</a>	<a href="https://app.box.com/s/cjuqb5efdkit41d1cyyt4asxel0043wp">https://app.box.com/s/cjuqb5efdkit41d1cyyt4asxel0043wp</a>
Analysing Statefinder and Cosmography Parameters for Interacting Dark Matter and Dark Energy in LRS Bianchi Type-II Universe	Prachi Agrawal <sup>1</sup> , <b>Abhijit Bansod</b> <sup>2</sup> , Umesh Takey <sup>3</sup>	Mathematics	International Journal of All Research Education and Scientific Methods (IJARESM)	2021-22	SN: 2455-62	<a href="http://www.ijaresm.com">www.ijaresm.com</a>	<a href="http://www.ijaresm.com">Analysing Statefinder and Cosmography Parameters for Interacting Dark Matter and (ijaresm.com)</a>
Aesthetic Discrimination Leading To Excessive Longing for Beauty and the Tragic End Afterwards: A Study of the Pathetic Fate of Pecola from 'The Bluest Eye'	Dr. Alka Bhise	ENGLISH	'Research Awakening'	2021-22	SN 2455-950	<a href="https://drive.google.com/file/d/1Am1QENIZf2VwfEQEh5fpAb2Caezd29-/view?usp=share_link">https://drive.google.com/file/d/1Am1QENIZf2VwfEQEh5fpAb2Caezd29-/view?usp=share_link</a>	<a href="https://drive.google.com/file/d/1Am1QENIZf2VwfEQEh5fpAb2Caezd29-/view?usp=share_link">https://drive.google.com/file/d/1Am1QENIZf2VwfEQEh5fpAb2Caezd29-/view?usp=share_link</a>
Hyperthermic evaluation of oleic acid coated nano-spinel magnesium ferrite: Enhancement via hydrophobic-to-hydrophilic surface transformation	Sandeep B. Somvanshi, Supriya R. Patade, Deepali D. Andhare, Swapnil A. Jadhav, Mangesh V. Khedkar, <b>Prashant B. Kharat</b> , Pankaj P.Khirade, K. M. Jadhav	Physics	Journal of Alloys and Compounds, Elsevier	2020-21	0925-8388	<a href="https://www.sciencedirect.com/journal/journal-of-alloys-and-compounds">https://www.sciencedirect.com/journal/journal-of-alloys-and-compounds</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0925838820317850">https://www.sciencedirect.com/science/article/abs/pii/S0925838820317850</a>

Induction heating analysis of surface-functionalized nanoscale CoFe <sub>2</sub> O <sub>4</sub> for magnetic fluid hyperthermia toward noninvasive cancer treatment	<b>Prashant B. Kharat</b> , Sandeep B. Somvanshi, Pankaj P. Khirade, K. M. Jadhav	Physics	ACS Omega, ACS Publications	2020-21	2470-1343	<a href="https://pubs.acs.org/journal/acsodf">https://pubs.acs.org/journal/acsodf</a>	<a href="https://pubs.acs.org/doi/10.1021/acsomega.0c03332">https://pubs.acs.org/doi/10.1021/acsomega.0c03332</a>
Structural, morphological and magnetic properties of Cu <sup>2+</sup> doped ZnO nanoparticles	Pallavi G. Undre, <b>Prashant B. Kharat</b> , Jitendra S. Kounsalye, R. V. Kathare, K. M. Jadhav	Physics	Journal of Physics: Conference Series, IOP Publishing	2020-21	1742-6596	<a href="https://iopscience.iop.org/journal/1742-6596">https://iopscience.iop.org/journal/1742-6596</a>	<a href="https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012008/meta">https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012008/meta</a>
Dextrose assisted sol-gel auto combustion synthesis and magnetic characterizations of cobalt ferrite nanoparticles	V. R. Bhagwat, Mangesh V. Khedkar, Govind Kulkarni, <b>Prashant B. Kharat</b> , K. M. Jadhav	Physics	AIP Conference Proceedings, AIP Publishing	2020-21	1551-7616	<a href="https://aip.scitation.org/journal/apc">https://aip.scitation.org/journal/apc</a>	<a href="https://aip.scitation.org/doi/abs/10.1063/5.0017310">https://aip.scitation.org/doi/abs/10.1063/5.0017310</a>

Effect of zinc doping on water-based manganese ferrite nanofluids for magnetic hyperthermia application	Supriya R. Patade, Deepali D. Andhare, Sandeep B. Somvanshi, <b>Prashant B. Kharat</b> , K. M. Jadhav	Physics	AIP Conference Proceedings, AIP Publishing	2020-21	1551-7616	<a href="https://aip.scitation.org/journal/apc">https://aip.scitation.org/journal/apc</a>	<a href="https://aip.scitation.org/doi/10.1063/5.0017051">https://aip.scitation.org/doi/10.1063/5.0017051</a>
Green Synthesis of Ba1–XSrXTiO3 ceramic nanopowders by sol-gel combustion method using lemon juice as a fuel: Tailoring of Microstructure, ferroelectric, dielectric and electrical properties	Pankaj P.Khirade, Vithal Vinayak, <b>Prashant B. Kharat</b> , Apparao R. Chavan	Physics	Optical Materials, Elsevier	2020-21	0925-3467	<a href="https://www.sciencedirect.com/journal/optical-materials">https://www.sciencedirect.com/journal/optical-materials</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0925346720310041">https://www.sciencedirect.com/science/article/abs/pii/S0925346720310041</a>
Accelerating Anisotropic Bianchi Type-V Model with Barotropic Matter and Viscous Dark Energy in Lyra Geometry	<b>A. S. Bansod</b> , V. G. Mete & P. B. Murade	Mathematics	International Journal of Mathematics Trends and Technology	2020-21	ISSN: 2231 – 53	<a href="https://ijmtjournal.org/">https://ijmtjournal.org/</a>	<a href="https://ijmtjournal.org/archive/ijmt-v66i11p510">https://ijmtjournal.org/archive/ijmt-v66i11p510</a>

" Studies of AM Fungi Associated With TAGESTES ERECTAL., From Melghat Forest, Maharashtra."	Ragini Zade, <b>Suchita Khodke</b> and Rekha Maggirwar	BOTANY	<i>International Jou.Of Recent Scientific Research. Vol.12, Issue, 03(A) pp-(2021): pp 41207-41210</i>	2020-21	ISSN: 0976-3031	<a href="http://www.recentscientific.com">http://www.recentscientific.com</a>	<a href="https://www.recentscientific.com/sites/default/files/17468-A-2021.pdf">https://www.recentscientific.com/sites/default/files/17468-A-2021.pdf</a>
Soil Trap Culture of AM Fungi Associated in DENDROCALAMUS SPECIES From Wadali lake(M.S.)"	K. G. Wankhade, Dr. R. C. Maggirwar & <b>S. P. Khodke</b>	BOTANY	World Journal of Pharmaceutical and Life Sciences. Vol.7.Issue-4, pp 118-122	2020-21	ISSN 2454-2229	<a href="http://www.wjpls.org">www.wjpls.org</a>	<a href="https://www.wjpls.org/admin/assets/article_issue/64032021/1617172688.pdf">https://www.wjpls.org/admin/assets/article_issue/64032021/1617172688.pdf</a>
AM FUNGAL STUDIES ASSOCIATED WITH DENDROCALAMUS STRICTUS(Roxb.) Nees FROM MELGHAT FOREST	Priti Dhakulkar, <b>S.P.Khodke</b> AND R.C. Maggirwar	BOTANY	" <i>International Journal of Science Technology &amp; Management Vol-10,special issue-1</i>	2020-21	ISSN-2394-1537	<a href="http://www.ijstm.com">www.ijstm.com</a>	<a href="http://www.ijstm.com/images/short_pdf/1619502411_GST_13.pdf">http://www.ijstm.com/images/short_pdf/1619502411_GST_13.pdf</a>
Use of e-resources in academic library	Dr. Nitesh V. Chore	Library	Purakala International Journal UGC Care listed journal	2020-21	ISSN 0971-2143. Impact Factor 5.60	<a href="https://www.purakala.com/index.php/0971-2143/issue/view/26">https://www.purakala.com/index.php/0971-2143/issue/view/26</a>	<a href="https://www.purakala.com/index.php/0971-2143/issue/view/26">https://www.purakala.com/index.php/0971-2143/issue/view/26</a>
Structural, infrared, magnetic and ferroelectric properties of Sr0.5Ba0.5Ti1-xFexO3 nanoceramics: Modifications via trivalent Fe ion doping	Dhananjay N.Bhoyar, Sandeep B. Somvanshi, <b>Prashant B.Kharat</b> , A. A. Pandit, K. M. Jadhav	Physics	Physica B: Condensed Matter, Elsevier	2019-20	0921-4526	<a href="https://www.sciencedirect.com/journal/physica-b-condensed-matter">https://www.sciencedirect.com/journal/physica-b-condensed-matter</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0921452619308245">https://www.sciencedirect.com/science/article/abs/pii/S0921452619308245</a>

Physicochemical properties of ambient pressure dried surface modified silica aerogels: effect of pH variation	Mangesh V. Khedkar, Swapnil A. Jadhav, Sandeep B. Somvanshi, <b>Prashant B. Kharat</b> , K. M. Jadhav	Physics	SN Applied Sciences, Springer Nature	2019-20	2523-3971	<a href="https://www.springer.com/journal/42452">https://www.springer.com/journal/42452</a>	<a href="https://link.springer.com/article/10.1007/s42452-020-2463-3">https://link.springer.com/article/10.1007/s42452-020-2463-3</a>
Hydrophobic to hydrophilic surface transformation of nano-scale zinc ferrite via oleic acid coating: Magnetic hyperthermia study towards biomedical applications	Sandeep B. Somvanshi, <b>Prashant B. Kharat</b> , Mangesh V. Khedkar, K. M. Jadhav	Physics	Ceramics International, Elsevier	2019-20	0272-8842	<a href="https://www.sciencedirect.com/journal/ceramics-international">https://www.sciencedirect.com/journal/ceramics-international</a>	<a href="https://www.sciencedirect.com/science/article/pii/S0272884219334583">https://www.sciencedirect.com/science/article/pii/S0272884219334583</a>
Impact of crystallites on enhancement of bandgap of Mn <sub>1-x</sub> Zn <sub>x</sub> Fe <sub>2</sub> O <sub>4</sub> (1 ≥ x ≥ 0) nanospinels	Supriya R. Patade, Deepali D. Andhare, <b>Prashant B. Kharat</b> , Ashok V. Humbe, K. M. Jadhav	Physics	Chemical Physics Letters, Elsevier	2019-20	0009-2614	<a href="https://www.sciencedirect.com/journal/chemical-physics-letters">https://www.sciencedirect.com/journal/chemical-physics-letters</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S000926142030155X">https://www.sciencedirect.com/science/article/abs/pii/S000926142030155X</a>
Influent diamagnetic magnesium (Mg <sup>2+</sup> ) ion substitution in nano-spinel zinc ferrite (ZnFe <sub>2</sub> O <sub>4</sub> ): Thermal, structural, spectral, optical and physisorption analysis	Sandeep B. Somvanshi, Mangesh V. Khedkar, <b>Prashant B. Kharat</b> , K. M. Jadhav	Physics	Ceramics International, Elsevier	2019-20	0272-8842	<a href="https://www.sciencedirect.com/journal/ceramics-international">https://www.sciencedirect.com/journal/ceramics-international</a>	<a href="https://www.sciencedirect.com/science/article/pii/S0272884219335862">https://www.sciencedirect.com/science/article/pii/S0272884219335862</a>

Multifunctional nano-magnetic particles assisted viral RNA-extraction protocol for potential detection of COVID-19	Sandeep B. Somvanshi, <b>Prashant B. Kharat</b> , Tukaram S. Saraf, Saurabh B. Somvanshi, Sumit B. Shejul, Kamalakar M. Jadhav	Physics	Materials Research Innovations, Taylor & Francis	2019-20	1432-8917	<a href="https://www.tandfonline.com/journals/ymri20">https://www.tandfonline.com/journals/ymri20</a>	<a href="https://www.tandfonline.com/doi/full/10.1080/14328917.2020.1769350">https://www.tandfonline.com/doi/full/10.1080/14328917.2020.1769350</a>
Structural, thermal, spectral, optical and surface analysis of rare earth metal ion (Gd <sup>3+</sup> ) doped mixed Zn–Mg nano-spinel ferrites	Sandeep B. Somvanshi, Swapnil A. Jadhav, Mangesh V. Khedkar, <b>Prashant B. Kharat</b> , S. D. More, K. M. Jadhav	Physics	Ceramics International, Elsevier	2019-20	0272-8842	<a href="https://www.sciencedirect.com/journal/ceramics-international">https://www.sciencedirect.com/journal/ceramics-international</a>	<a href="https://www.sciencedirect.com/science/article/pii/S0272884220304132">https://www.sciencedirect.com/science/article/pii/S0272884220304132</a>
Effect of magnetic field on thermal conductivity of the cobalt ferrite magnetic nanofluids	<b>Prashant B. Kharat</b> , Sandeep B. Somvanshi, Pankaj P. Khirade and K. M. Jadhav	Physics	Journal of Physics: Conference Series, IOP Publishing	2019-20	1742-6596	<a href="https://iopscience.iop.org/journal/1742-6596">https://iopscience.iop.org/journal/1742-6596</a>	<a href="https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012028">https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012028</a>
The D.C electrical properties of lithium ion conducting solid polymer electrolyte based on polyvinyl alcohol	A. S. Wadatkar, <b>Prashant B. Kharat</b> , A. V. Turkhade, S. G. Onkar and P. S. Bodkhe	Physics	Journal of Physics: Conference Series, IOP Publishing	2019-20	1742-6596	<a href="https://iopscience.iop.org/journal/1742-6596">https://iopscience.iop.org/journal/1742-6596</a>	<a href="https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012037">https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012037</a>
Rare earth ion (La <sup>3+</sup> ) doped BaTiO <sub>3</sub> Perovskite nanoceramics for spintronic applications	B. H. Devmunde, Saurabh B. Somvanshi, <b>Prashant B. Kharat</b> , Madhukar B. Solunke	Physics	Journal of Physics: Conference Series, IOP Publishing	2019-20	1742-6596	<a href="https://iopscience.iop.org/journal/1742-6596">https://iopscience.iop.org/journal/1742-6596</a>	<a href="https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012055">https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012055</a>

Preface: International web conference on advanced material science and nanotechnology (NANOMAT-2020)	<b>Prashant B. Kharat</b> , Anant S. Wadtkar, Sandeep B. Somvanshi, Pankaj Koinkar, Harsharaj S. Jadhav, Prasanta Ghosh, Arti D. Rushi	Physics	Journal of Physics: Conference Series, IOP Publishing	2019-20	1742-6596	<a href="https://iopscience.iop.org/journal/1742-6596">https://iopscience.iop.org/journal/1742-6596</a>	<a href="https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/011001">https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/011001</a>
Low-cost fabrication of Cu doped ZnO(Zn <sub>0.95</sub> Cu <sub>0.05</sub> O) film for enhanced gas sensing applications	A. S. Wadtkar, <b>Prashant B. Kharat</b> , Ajay V. Ambhore, S. G. Onkar	Physics	Journal of Physics: Conference Series, IOP Publishing	2019-20	1742-6596	<a href="https://iopscience.iop.org/journal/1742-6596">https://iopscience.iop.org/journal/1742-6596</a>	<a href="https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012059">https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012059</a>
Visible light driven photocatalytic activity of TiO <sub>2</sub> nanoparticles prepared via gel-combustion process	Saurabh B. Somwanshi, Sandeep B. Somvanshi, <b>Prashant B. Kharat</b>	Physics	Journal of Physics: Conference Series, IOP Publishing	2019-20	1742-6596	<a href="https://iopscience.iop.org/journal/1742-6596">https://iopscience.iop.org/journal/1742-6596</a>	<a href="https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012042">https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012042</a>
Gas sensing behavior of ZnO thick film sensor towards H <sub>2</sub> S, NH <sub>3</sub> , LPG and CO <sub>2</sub>	S G Onkar, S B Nagdeote, A S Wadtkar, <b>Prashant B. Kharat</b>	Physics	Journal of Physics: Conference Series, IOP Publishing	2019-20	1742-6596	<a href="https://iopscience.iop.org/journal/1742-6596">https://iopscience.iop.org/journal/1742-6596</a>	<a href="https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012060">https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012060</a>
Nanocatalyst: A brief review on synthesis to applications	Saurabh B. Somwanshi, Sandeep B. Somvanshi, <b>Prashant B. Kharat</b>	Physics	Journal of Physics: Conference Series, IOP Publishing	2019-20	1742-6596	<a href="https://iopscience.iop.org/journal/1742-6596">https://iopscience.iop.org/journal/1742-6596</a>	<a href="https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012046">https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012046</a>
Multifunctional magnetic nano-platforms for advanced biomedical applications: A brief review	Saurabh B. Somwanshi, Sandeep B. Somvanshi, <b>Prashant B. Kharat</b>	Physics	Journal of Physics: Conference Series, IOP Publishing	2019-20	1742-6596	<a href="https://iopscience.iop.org/journal/1742-6596">https://iopscience.iop.org/journal/1742-6596</a>	<a href="https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012036">https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012036</a>

Low-cost fabrication of Cu doped ZnO(Zn <sub>0.95</sub> Cu <sub>0.05</sub> O) film for enhanced gas sensing applications	A. S. Wadtkar, Prashant B. Kharat, <b>Ajay V. Ambhore</b> , S. G. Onkar	Physics	Journal of Physics: Conference Series, IOP Publishing	2019-20	1742-6596	<a href="https://iopscience.iop.org/journal/1742-6596">https://iopscience.iop.org/journal/1742-6596</a>	<a href="https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012059">https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012059</a>
The D.C electrical properties of Lithium ion conducting solid polymer electrolyte based on polyvinyl alcohol	<b>A. S. Wadtkar</b> , Prashant B. Kharat, A.V. Turkhade, S. G. Onkar and P. S. Bodkhe	Physics	Journal of Physics: Conference Series Volume: 1644,	2019-20	ISSN:1742-6588, E-ISSN:1742-6596	<a href="https://iopscience.iop.org/journal/1742-6596">https://iopscience.iop.org/journal/1742-6596</a>	<a href="https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012037">https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012037</a>
Temperature dependent AC electrical properties of solid polymer PVA based proton electrolyte	<b>A. S. Wadtkar</b> , Prashant B. Kharat, Ajay V. Ambhore and S. G. Onkar	Physics	Journal of Physics: Conference Series Volume: 1644,	2019-20	ISSN:1742-6588, E-ISSN:1742-6596	<a href="https://iopscience.iop.org/journal/1742-6596">https://iopscience.iop.org/journal/1742-6596</a>	<a href="https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012054">https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012054</a>
Low-cost Fabrication of Cu doped ZnO (Zn <sub>0.95</sub> Cu <sub>0.05</sub> O) Film for Enhanced Gas Sensing Applications	<b>A. S. Wadtkar</b> , Prashant B. Kharat, Ajay V. Ambhore and S. G. Onkar	Physics	Journal of Physics: Conference Series Volume: 1644,	2019-20	ISSN:1742-6588, E-ISSN:1742-6596	<a href="https://iopscience.iop.org/journal/1742-6596">https://iopscience.iop.org/journal/1742-6596</a>	<a href="https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012059">https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012059</a>
Gas sensing behavior of ZnO thick film sensor towards H <sub>2</sub> S, NH <sub>3</sub> , LPG and CO <sub>2</sub> .	<b>A S Wadtkar</b> , S G Onkar, S B Nagdeote, and P B Kharat	Physics	Journal of Physics: Conference Series Volume: 1644,	2019-20	ISSN:1742-6588, E-ISSN:1742-6596	<a href="https://iopscience.iop.org/journal/1742-6596">https://iopscience.iop.org/journal/1742-6596</a>	<a href="https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012060/meta">https://iopscience.iop.org/article/10.1088/1742-6596/1644/1/012060/meta</a>
Small Scale Industries and their contribution in Socio Economic Growth of India :- An Empirical Study	Dr. Prafullkumar N Tayade	Commerce	Purakala	2019-20	ISSN 0971-2143	<a href="https://www.academia.edu/37880785">https://www.academia.edu/37880785</a>	<a href="https://www.academia.edu/37880785">https://www.academia.edu/37880785</a>

Role and Impact of E-Commerce in Business and Trades	Dr. Prafullkumar N Tayade	Commerce	International Journal of Advanced Research in Science , Communication and Technology	2019-20	ISSN No: 2581-9429	<a href="http://ijarsct.co.in/may20i3.html">http://ijarsct.co.in/may20i3.html</a>	<a href="http://ijarsct.co.in/may20i3.html">http://ijarsct.co.in/may20i3.html</a>
COVID-19 AND ITS IMPACT ON E-COMMERCE IN INDIA-A CRITICAL STUDY	Dr. Prafullkumar N Tayade	Commerce	EPRA- International Journal of Economics Business and Management Studies	2019-20	ISSN: 2347-4378	<a href="https://eprajournals.com/jpanel/upload/822pm_6.EPRA%20JOURNALS%20-6567.pdf">https://eprajournals.com/jpanel/upload/822pm_6.EPRA%20JOURNALS%20-6567.pdf</a>	<a href="https://eprajournals.com/jpanel/upload/822pm_6.EPRA%20JOURNALS%20-6567.pdf">https://eprajournals.com/jpanel/upload/822pm_6.EPRA%20JOURNALS%20-6567.pdf</a>
Problems and Features of Agricultural Marketing in Marathwada (Maharashtra)	Dr Dasharath Kale	Commerce	Purakala with ISSN 0971-2143 (9)	2019-20	ISSN 0971-2143 (9)	<a href="https://www.purakala.com/index.php/0971-2143/issue/view/26">https://www.purakala.com/index.php/0971-2143/issue/view/26</a>	<a href="https://www.purakala.com/index.php/0971-2143/issue/view/26">https://www.purakala.com/index.php/0971-2143/issue/view/26</a>
कोरोना संसर्ग लॉकडाऊन मुळे महाराष्ट्रातील ग्रामीण आणि शहरी उद्योगांवर परिणाम"	Dr Dasharath Kale	Commerce	Published in Purakala with ISSN 0971-2143	2019-20	ISSN 0971-2143	<a href="https://www.purakala.com/index.php/0971-2143/issue/view/56">https://www.purakala.com/index.php/0971-2143/issue/view/56</a>	<a href="https://www.purakala.com/index.php/0971-2143/issue/view/56">https://www.purakala.com/index.php/0971-2143/issue/view/56</a>
A study of agro entrepreneurship and their problems in the development in Maharashtra	Dr Dasharath Kale	Commerce	Studies in Indian place name ISSN23943114	2019-20	ISSN23943114	<a href="https://archives.tpnsindia.org/index.php/sipn/issue/view/123">https://archives.tpnsindia.org/index.php/sipn/issue/view/123</a>	<a href="https://archives.tpnsindia.org/index.php/sipn/issue/view/123">https://archives.tpnsindia.org/index.php/sipn/issue/view/123</a>
A Study of Impact of GST on Mobile Banking	Dr Dasharath Kale	Commerce	OUR HERITAGE	2019-20	0474-9030	<a href="https://archives.ourheritagejournal.com/index.php/oh/issue/view/17">https://archives.ourheritagejournal.com/index.php/oh/issue/view/17</a>	<a href="https://archives.ourheritagejournal.com/index.php/oh/issue/view/17">https://archives.ourheritagejournal.com/index.php/oh/issue/view/17</a>

Bianchi Types Cosmological Models with Cold Dark Matter and Anisotropic Dark Energy in Saez- Ballester Theory of Gravitation	<b>A. S. Bansod</b> , V. G. Metete & P. B. Murade	Mathematics	AEGAEUM JOURNAL	2019-20	ISSN NO: 0776-3808	<a href="#">Aegaeum Journal – UGC-CARE Approved (Group-II) Multidisciplinary Journal (An ISO 7021 : 2008 Certified Journal)Email id: submitaj@gmail.com</a>	<a href="https://aegaeum.com/index.php/volume-8-issue-3-2020/">https://aegaeum.com/index.php/volu me-8-issue-3-2020/</a>
Arbuscular Mycorrhizal and Endophytic (DSE) association in the dominant grasses of Melghat Forest (Phase- II), INDIA	P. W. Deotare, <b>S. P. Khodke</b> , R. C. Maggirwar & S. K. Kharwade	BOTANY	<i>Plant Sci. Res.</i> 36(1- 2) : pp 211-224	2019-20		<a href="http://www.plantaescientia.com">http://www.plantaesci entia.com</a>	<a href="https://www.proquest.com/openview/0a1ee635b5c1c360eaf28af78ccd3e2b/1.pdf?pq-origsite=gscholar&amp;cbl=506329">https://www.proquest.com/openvi ew/0a1ee635b5c1c360eaf28af78cc d3e2b/1.pdf?pq- origsite=gscholar&amp;cbl=506329</a>
Incidence of AM Fungi in Bamboo species from Wadali, Amravati (M.S.) India."	Maggirwar R. C., <b>Khodke S. P.</b> , and Pandit PS	BOTANY	<i>Int.J.of Life Sciences</i> , 2020; 8(1) : pp 123-127	2019-20	ISSN:2320- 964X(Online) ISSN:2320- 7817(Print)	<a href="http://www.ijlsci.in">http://www.ijlsci.in</a>	<a href="https://ijlsci.in/ls/index.php/home/article/view/180">https://ijlsci.in/ls/index.php/home/ article/view/180</a>
Bibliometrics Study of Finance India Journal	Dr. Nitesh V. Chore	Library	Research journey International E- Research journal	2019-20	ISSN 23487143 Impact Factor 6.261	<a href="http://www.researchjourney.net">www.researchjourney. net</a>	<a href="http://www.researchjourney.net">www.researchjourney.net</a>

Opens source softwares in academic library	Dr. Nitesh V. Chore	Library	Ajenta journal	2019-20	ISSN 22775730 Issue 9. Impact Factor 5.5	<a href="http://www.sjifactor.com">www.sjifactor.com</a>	<a href="http://www.sjifactor.com">www.sjifactor.com</a>
Soil Trap Culture of Strawberry associated AM fungi from Melghat (M.S.) India	Maggirwar R. C., <b>Khodke S. P.</b> , Deshmukh S. B. and Malokar S. G	BOTANY	Int. J. of Life Sciences, Special Issue, A8	2018-19	ISSN: 2320-7817  eISSN: 2320-964X	<a href="http://www.ijlsci.in">http://www.ijlsci.in</a>	<a href="http://www.rcmiils.org/RCMIILSsep2017.pdf">RCMIILSsep2017.pdf</a>
" Mycorrhiza Natural Gardener "	<b>Dr. S. P. Khodke</b> and Dr. R.C. Maggirwar	BOTANY	" Gardyn Vol.38(1) pp 25-27	2018-19	ISSN 2319- 8486	<a href="https://drive.google.com/file/d/1ujSRpi-ydeE3nPfJE_ctClwwjyQgkSi0/view?usp=drive_link">https://drive.google.com/file/d/1ujSRpi-ydeE3nPfJE_ctClwwjyQgkSi0/view?usp=drive_link</a>	<a href="https://drive.google.com/file/d/1ujSRpi-ydeE3nPfJE_ctClwwjyQgkSi0/view?usp=drive_link">https://drive.google.com/file/d/1ujSRpi-ydeE3nPfJE_ctClwwjyQgkSi0/view?usp=drive_link</a>
" Arbuscular Mycorrhizal and endophytic (DSE) association in the dominant grasses of Melghat forest (Phase - I), India"	P. W. Deotare, <b>S. P. Khodke</b> , R. C. Maggirwar and S.K. Kharwade	BOTANY	<i>Plantae Scientia</i> 01/06/March 2019 pp87-98	2018-19	ISSN: 2581-589x EISSN : 2581-589x	<a href="https://plantaescientia.website/ojs">https://plantaescientia.website/ojs</a>	<a href="https://web.p.ebscohost.com/abstract?direct=true&amp;profile=ehost&amp;scope=site&amp;authtype=crawler&amp;jrnl=09702539&amp;AN=147538592&amp;h=ldhiGvKAqB6Lg3wyWJAjaAXrrujQkPNmazZM1zjOVMJM3mjne1Zrjgd0RUJGHp%2frG8Aw3AUqkRN693cTraV8DQ%3d%3d&amp;url=c&amp;resultNs=AdminWebAuth&amp;resultLocal=ErrCriNotAuth&amp;urlhashurl=login.aspx%3fdirect%3drue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d09702539%26AN%3d147538592">https://web.p.ebscohost.com/abstract?direct=true&amp;profile=ehost&amp;scope=site&amp;authtype=crawler&amp;jrnl=09702539&amp;AN=147538592&amp;h=ldhiGvKAqB6Lg3wyWJAjaAXrrujQkPNmazZM1zjOVMJM3mjne1Zrjgd0RUJGHp%2frG8Aw3AUqkRN693cTraV8DQ%3d%3d&amp;url=c&amp;resultNs=AdminWebAuth&amp;resultLocal=ErrCriNotAuth&amp;urlhashurl=login.aspx%3fdirect%3drue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d09702539%26AN%3d147538592</a>

" Effect of Glomus Fecundisporum Schenck and Smith on Plant Growth and P-Uptake in Vigna radiata L"	R. C. Maggirwar, G. B. Hedawoo, <b>S. P. Khodke</b> and P. B. Bobade	BOTANY	IJBAT,Special Issue (2), Vol-V,July 2017	2017-18	ISSN No. 2347-517X (Online)	<a href="https://ijrbat.in/upload/papers/02102017064624204.pdf">https://ijrbat.in/upload/papers/02102017064624204.pdf</a>	<a href="https://ijrbat.in/img/certificate/UGC.jpg">https://ijrbat.in/img/certificate/UGC.jpg</a>
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*Smeye*

**I.Q.A.C. Co-ordinator**  
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