

ARVINDBABU DESHMUKH MAHAVIDYALAYA, BHARSINGI.
DEPARTMENT OF BOTANY
FACULTY PROFILE



GENERAL INFORMATION

1. Name (in Block Letters) : **Dr. AMIT LILADHAR GADRE**
2. Father's / Husband's Name : Mr. LILADHAR UKANDRAO GADRE
3. Department : PHYSICS
4. Institute/College Name : Arvindbabu Deshmukh Mahavidyalaya, Bharsingi
Dist. Nagpur-441 305
5. Current Designation & Grade Pay : ASSISTANT PROFESSOR
Pay Scale: ST 10 (57700-182400)
6. Date of appointment : 05/09/2019
7. Date of Promotion : -----
8. Address for correspondence : Department of Physics
(with Pin code), Arvindbabu Deshmukh Mahavidyalaya, Bharsingi
Distt. Nagpur-441 305
9. Permanent Address (with Pincode): C/O Shri. Liladhar Ukandrao Gadre,
Janaki Nagar, Tq. Katol, Dist- Nagpur. 441302
10. Telephone No. : 9975539370
11. E- mail ID : amitgadre09@gmail.com

Personal Information

1. Date of birth : 09/07/1983
2. Gender : Male
3. Category : O. B. C.
4. Nationality : Indian
5. Educational Qualification : M.Sc. (Physics)., B.Ed., Ph. D. (Physics)

Particulars of Educational Qualification

Examination Passed	Subject/Subject with Specialization	Year of Passing	Percentage/ Grade	Name of the Board/University awarding degree
S. S. C.	Mar, Hin, Eng, Math, Sci, Soc Sci.	2000	75.86% /I	M. S. B. S. H. S. E. Board, Pune
H. S. C.	Eng, Mar, Eco, Phy, Chem, Bio.	2002	71.17% /I	M. S. B. S. H. S. E. Board, Pune
B. Sc.	Phy, Maths, Comp. Sci.	2005	65.20% /I	S.G.B. Amravati University, Amravati
M. Sc.	Physics	2007	65.00% /I	S.G.B. Amravati University, Amravati
B. Ed.	Education	2017	69.69% / I	K. K. Sanskrit University, Ramtek
Ph. D.	Physics	2018	Awarded	S.G.B. Amravati University, Amravati

- **Subject of Interest:** - Polymer, Degradable Polymer, Nano-materials.
- **Other Qualifications:** - Certificate Post Graduate Diploma in Advance Computing, Pune passed in Second division with **56.11%** marks.

Present Position/Designation: -

Designation	Department	Date of Actual Joining		Grade
		From	To	
Assistant Professor	Physics	05/09/2019	Till Date	ST 10 (57700-182400)

Academic Staff College Orientation / Refresher Course attended during the year: Yes

Sr. No.	Name of the Course/ Summer School	Place	Duration	Sponsoring Agency
1	Two -Weeks Online FDP on "Managing Online Classes & Co-Creating Moocs"	Online	20/04/2020 To 06/05/2020	TLC, Ramanujan College, University of Delhi
2	One Week National Online FDP on "ICT Tools for Effective Teaching Learning"	Online	11/05/2020 To 16/05/2020	School of Mathematical Science, S R. T. M. U. Nanded, Maharashtra.
3	One week "E-Certificate Course on Renewable Energy –The Demand of Future!!"	Online	25/05/2020 To 30/05/2020	Department of Physics in collaboration with IQAC, Shri R.L.T. College of Science, Akola, Maharashtra
4	Four - Week Online Induction / Orientation Programme for " Faculty in Universities / Colleges / Institutes of Higher Education"	Online	04/06/2020 To 01/07/2020	TLC, Ramanujan College, University of Delhi
5	One Week Online Faculty Development Program on "Innovation in Applied Research for Science and Technology"	Online	11/10/2021 To 18/10/2021	Department of Basic Science & Humanities, KDKCE Nagpur in association with Indian Association for Radiation Protection (IARP), Luminescence Society of India (LSI) & Society for Technologically Advanced Material of India (STAMI)
6	One day Virtual State-Level Workshop on "Necessity of Collaborative Research for Patents"	Online	20/04/2022	A. D. Mahavidyalaya, Bharsingi Tah. Narkhed, Dist. Nagpur (M.S.) (UNDER MOU OF COTI).
7	Two Week Online Inter-Disciplinary Refresher Course On "Managing Online Classes & Co- creating MOOCS 14.0"	Online	07/05/2022 To 21/05/2022	TLC, Ramanujan College University of Delhi under the aegis of Ministry of Education PMMMMNM On Teachers And Teaching.
8	Two Week - Refresher Course in Physics, Electronics, Computer Science and IT	Offline	14/11/2022 To 26/11/2022	UGC - Human Resource Development Centre (HRDC) Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

Teaching Learning and Evaluation Related Activities: -

Sr. No.	Course / Paper	Level	Mode of teaching*	Hours allotted per week
01.	B.Sc.-I (Lecture)	UG	L	27 Hours
02.	B.Sc.-I (Practical)	UG	P	
03.	B.Sc.-II (Lecture)	UG	L	
04.	B.Sc.-II (Practical)	UG	P	
05.	B.Sc.-III (Lecture)	UG	L	
06.	B.Sc.-III (Practical)	UG	P	

Reading / Instructional material consulted and additional knowledge resources provided to students.

Sr. No.	Course / Paper	Consulted	Prescribed	Additional Resource provided
01.	B.Sc.-I (Theory)	Text Book	Reference Books	Printed notes, PPT
02.	B.Sc.-II (Theory)	Text Book	Reference Books	Printed notes, PPT
03.	B.Sc.-III (Theory)	Text Book	Reference Books	Printed notes, PPT
04.	B.Sc.-I (Practical)	Text Book	Practical Manual	Notes, PPT
05.	B.Sc.-II (Practical)	Text Book	Practical Manual	Notes, PPT
06.	B.Sc.-III (Practical)	Text Book	Practical Manual	Notes, PPT

Use of Participatory and Innovative Teaching-Learning Methodologies, Updating of Subject Content, Course Improvement, etc.

- Use of teaching aids, models, PPT etc.
- Organized Group discussion on various topics
- Assignment for students
- Organized Class seminars on various topics of the syllabus for B.Sc. II
- Use of LCD Projector.

Examination Duties Assigned and Performed:

- College Test Examination Invigilation
- University Examination Invigilation
- Question Paper Setting for B.Sc.-I, II (College/University Examination)
- Valuation of Answer Papers (B.Sc.- I, II) of College/University examination

Extension, Co-curricular & field-based Activities:

Organizing seminars/conferences/workshop and other college/university related activities:

- As a Member Organizing Committee: “One day workshop on Solar Light Assembly” for student in calibration with MCVC department ADM Bharsingi and IIT Mumbai.
- As a Member Organizing Committee: Department of Science organized “One Day Online National Conference on Emerging Trends in Science and Technology (NCETST-2021)”.
- As a Co-Convener of Workshop Department of Physics & IQAC Organized One day online State-Level Workshop on “Introduction to Medical Physics”.
- As a Convener of Workshop Under MOU OF COTI Organized Collaborative “One-day Virtual State-Level Workshop on “Necessity of Collaborative Research for Patents”.
- As a Join Secretary Organizing Committee: Department of Physics organized one day online Workshop on “Introduction to Virtual Lab”.

Contribution to Corporate Life and Management of the Institution:

- Member of NAAC Steering Committee: Faculty Member
- Member – Teacher & Head of Criterion VI Core Committee (Re-accreditation)
- Convener of Criterion - VI
- Co-coordinator of National Service Scheme
- Nodal officer of college NIRF Committee
- Member of College Research Advisory Committee
- Member of College Prospectus Committee
- Member of College Admission Committee
- Member of Energy, Environment and Green audit committee

Research Publications and Academic Contributions:-

➤ Patent :

- ❖ Granted Government of India Patent **No. 351764** with Application No.192/MUM/2015 on 19/11/2020. On “Synthesis and study of bio-erodable material using low density polyethylene and polyethylene glycol”. **Name of Inventors:** Dr. Vijaya Sangawar, Amit Gadre, Ganesh Yerawar.

Research Publications in the Journals notified on UGC website: -

S.N.	Title of Paper	International/ National Journal	UGC Notified/Peer-Reviewed.	Impact factor
1.	Characterization and DC electrical conductivity of ZnO/LDPE nanocomposites. Manisha C. Golchhal ^{1*} , Vijaya S. Sangawar ² , Amit L. Gadre ³ and Ganesh R. Yerawar ⁴	International Peer Reviewed, G P Globalize Research Journal of Chemistry Vol 3 (S) 2020 : pp 33 – 38. RNI No. MAHENG /2017/74063 ISSN No. (Print) 2581-5911 (2019-2020)	Peer-Reviewed	ISI Impact Factor 1.022 (2019-2020)
2.	Biodegradation study of CEL and PEG added LDPE Bio-composite film Amit L. Gadre ¹ , Manisha C. Golchha ² , Ganesh R.Yerawar ³ , Vijaya Sangawar ⁴	B.Aadhar ⁷ International Peer-Reviewed Indexed Research Journal ISSN No. 2278-9308	Peer reviewed	Impact Factor 7.675
3.	Characterization Study of Cellulose (CEL)+Plasticizer PEG Added LDPE Biocomposite Amit L. Gadre ¹ , Ganesh R.Yerawar ^{2*} , Manish C. Golchha ¹ , Vijaya Sangawar ²	Scholars Research Library Der Pharmacia Lettre, 2021 ISSN No. 0975–5071	Peer reviewed / referred	
4.	Biodegradation and Mechanical Properties study of 10% CEL + 7% PEG/LDPE Bio-composite film Gadre Amit L*, Golchha Manisha C, Yerawar Ganesh R , Sangawar Vijaya, Raghorte Vijay R and Dr Anand D Deshpande	International Journal (Int. Res. J. of Science & Engineering, Special Issue A11)	Peer-Reviewed	SJIF Impact Factor 6.70
5.	Effect of Zinc Oxide Nanoparticle fillers on Electrical Resistivity of Low-Density Polyethylene	International Journal (Int. Res. J. of Science & Engineering, Special Issue	Peer-Reviewed	SJIF Impact Factor

	Golchha Manisha ,Sangawar Vijaya S, Gadre Amit L and Yerawar Ganesh R	A11)		6.70
6.	Synthesis and Study of Novel Polymers prepared by both Conventional and Microwave Synthesis Technique. Its application in detergent Dr. Anand D. Deshpande*, Amit L. Gadre	International Journal (Int. Res. J. of Science & Engineering, Special Issue A11)	Peer-Reviewed	SJIF Impact Factor 6.70
7.	Uniaxial grown Potassium Dihydrogen Phosphate crystal by Sankaranarayanan-Ramasamy (SR) method and slow evaporation solution technique (SEST): A comparative Investigation P. R. Uikey, V.R. Raghorte*, G.C.Wakde, A. L. Gadre, V.Y. Padole	International Journal (Int. Res. J. of Science & Engineering, Special Issue A11)	Peer-Reviewed	SJIF Impact Factor 6.70
8.	Future aspects of 5G Technology in India- A Review Mr. Bharat. B. Madavi* and Amit L. Gadre	International Journal (Aayushi International Interdisciplinary Research Journal (AIIRJ)Peer Reviewed and Indexed Journal)	Peer-Reviewed	Impact Factor 7.331
9.	Review on Coumarin and Its Derivatives for Their Pharmacological Activity Ramkumar Dongre*, Bharat Madavi, Amit Gadre & Anjali Gharpure	International Research Fellows Association's Research Journey International E-Research Journal	Peer-Reviewed	Impact Factor 6.625
10.	Spectroscopic Study of Thin Films of ZnO Nanomaterials Fabricated By Spin Coating Method Ganesh R. Yerawar, Amit L. Gadre, Roushan R. Sheikh	Akshar Wangmay - International Peer Reviewed Journal UGC Care Listed Journal	International Peer Reviewed UGC Care listed	

A) Papers presented in Conferences, Seminars, Workshops, Symposia

Sr. No.	Title of the Paper presented	Title of Conferences / Seminar	Conference organized by	Whether international / national / state / regional / college or university level
1	Biodegradation and Mechanical Properties study of 10% CEL + 7% PEG/LDPE Bio-composite film.	National online conference on “Emerging Trends In Science And Technology ” (NCETST-2021)	Arvinbabu Deshmukh Mahavidyalaya, Bharsingi	National
2	Effect of Zinc Oxide Nanoparticle fillers on Electrical Resistivity of Low-Density Polyethylene	National online conference on “Emerging Trends In Science And Technology ” (NCETST-2021)	Arvinbabu Deshmukh Mahavidyalaya, Bharsingi	National
3	Synthesis and Study of Novel Polymers prepared by both Conventional and Microwave Synthesis Technique. Its application in detergent	National online conference on “Emerging Trends In Science And Technology ” (NCETST-2021)	Arvinbabu Deshmukh Mahavidyalaya, Bharsingi	National
4	Uniaxial grown Potassium Dihydrogen Phosphate crystal by Sankaranarayanan-Ramasamy (SR) method and slow evaporation solution technique (SEST): A comparative Investigation	National online conference on “Emerging Trends In Science And Technology ” (NCETST-2021)	Arvinbabu Deshmukh Mahavidyalaya, Bharsingi	National
5	Future aspects of 5G Technology in India- A Review	One Day International Multidisciplinary E-Conference on “Recent Innovations in Science and Technology” (RIST-2022)	Departments of Science & IQAC of L. R. Bharti Arts, Commerce and Smt. S. R. Bharti Science College, Arni, Dist. Yavatmal	International

(B) Invited Lectures and Chairmanships at National or International Conference / Seminar

S.N.	Title of Lecture /Academic Session	Title of Conference/ Seminar etc.	Organized by	Whether international /national
	NIL			

Research Conference/Seminar/Workshop Attended:

Sr. No.	Conference/Seminar/ Workshop/Certificate Course organized by	Title of Conference/Seminar/ Workshop	International/ National/ State level
1	Department of Chemistry, S.G.B.U. Amravati University, Amravati.	Three Day National Conference on “New Dimension in Chemistry and Chemistry Education and National Convection of Chemistry teachers ” (NCCT-2019) from 5th to 7th December 2019.	National
2	Internal Quality Assurance Cell (IQAC), Narayanrao Kale Smruti Model College (Art, Comm. and Science) Karanja (Gh), Dist.Wardha .	One Day State Level Workshop On “Intellectual Property Right (IPR) and Career Advancement Scheme (CAS)” on 26th February 2020.	State
3	Internal Quality Assurance Cell (IQAC), Arvindbabu Deshmukh Mahavidyalaya, Bharsingi, Th. Narkhed, Dist. Nagpur.	One Day Online State Level Workshop On “Fundamental of Intellectual Property Right and Career Advancement Scheme ” on 26th May 2020.	State
4	Department of Physics in collaboration with IQAC, Shri R.L.T. College of Science,Akola, Maharashtra	One week “E-Certificate Course on Renewable Energy –The Demand of Future!!!” from 25th to 30th May 2020.	State
5	SatpudaShikshanPrasarak Mandal’s Vasantrao Naik Art’s, Commerce and Science College,Shahada Dist-Nandurbar - 425409 (MS), India	One day National e-Conference on “New Perspectives and Opportunities in Physics (NCNPOP-2021)” on dated 13 th October 2021.	National
6	Internal Quality Assurance Cell (IQAC) of J. S. M. College, Alibag, Sponsored by University of Mumbai.	State level Online Workshop on ‘Career Advancement Scheme (CAS) for College Teachers’ on dated 31 st July, 2021.	National
7	RajarsheeShahu Science College Chandur Railway, Dist. Amravati In collaboration with IQAC, RSSC, Chandur Rly. & Department of Physics Vinayak VidnyanMahavidyalaya, NandgaonKhandeshwar, Dist. Amravati	‘State level online Workshop for Faculty Members onUse of Virtual Laboratory in Teaching & Learning’ conducted on dated 15th Sept. 2021 .	State

8	Dr. R. G. Bhojar ACS Colleg, Seloo and IP Awareess/Training program under National Intellectual Property Awareness Mission (NIPAM) Organized by Intellectual Property Office, India	One day National Workshop (Under MoU of COTI) on Intellectual Property Right (IPR) and Patent and Designs Process on dated 18 th January 2022.	National
9	Yeshwant Rural Education society`s YeshwantMahavidyalaya, Seloo, District. Wardha {MS} 442 104	One Day National E-Workshop on “FORM NO. 16 and ITR” on dated 31st January, 2022	National
10	VSPM Academy of Higher Education, Nagpur, Arvinbaba Deshmukh Mahavidyalaya, BharsingiTah. Narkhed, Dist. Nagpur (M.S.) India In Collaborations with Bharat Education Society's, Arvi&Narayanrao Kale Smruti Model College, Karanja (Gh.) Dist. Wardha (M.S.) India &Krishak Education Society's, Arvi Arts, Commerce And Science College, Arvi Dist. Wardha (M.S.) India, All Affiliated to R.T.M. Nagpur University, Nagpur. (UNDER MOU OF COTI).	One day Virtual State-Level Workshop on “Necessity of Collaborative Research for Patents” on Dated 20 th April 2022.	State
11	VSPM Academy of Higher Education Arvinbaba Deshmukh Mahavidyalaya, BharsingiTah- Narkhed, Dist- Nagpur (M.S.) India Affiliated to R.T.M. Nagpur University, Nagpur (M.S.) India	One Day State Level Workshop On “Intellectual Property Right (IPR) and Career Advancement Scheme (CAS)” on 26th February 2020.	State
12	Department of Physics, Chemistry and Internal Quality Assurance Cell (IQAC) of Mahatma MahatmaJyotibaFule Commerce, Science and Vitthalrao Raut Art’s College, Bhatkuli, Dist Amravati in collaboration with (IQAC), Sant Gadge Baba Amravati.	One day National Level Workshop on Prospects and Utilities of Intellectual Property Rights (IPR) on dated 07 th May 2022	National

13	Department of Physics, K.L.E.F., Vijayawada, Andhra Pradesh, India.	One day International Webinar (Online) Engineered Nanomaterials: Preparation and their Environmental Applications on dated 19 th October 2021.	International
14	IQAC of Central Institute of Bussiness Management Research and Development, Nagpur	One day Online Seminar on “National Education Policy 2020: Features and Prospect” on dated 12 th June 2021.	National
15	Department of Physics & Mathematics in association with IQAC Cell, Narayanrao Kale Smruti Model College, Karanja (Gh.), Dist. Wardha	National Conference on Recent Trends in Physical & Mathematical Sciences (NCRTPM-2023) organized by on dated 5 th April 2023.	National
16	Bhiwapur Mahavidyalaya, Bhiwapur Vasantnao Naik Government Institute of Arts and Social Sciences, Nagpur Jeevan Vikas Mahavidyalaya, Devgram and Saibaba Arts and Science College, Parseoni	National Workshop on Intellectual Property Rights and Entrepreneurship Development on dated 25 th April 2023.	National

Dr. Amit Liladhar Gadre
Assistant Professor
Department of Physics
Arvinbabu Deshmukh Mahavidyalaya, Bharsingi.