

RESUME

Gajanan G. Muley

M.Sc., Ph.D.

Professor & Head

Department of Physics

Coordinator

Post Graduate Teaching Department of Dr. Babasaheb
Ambedkar Thoughts

Coordinator

Buddhist Studies Center

Co-coordinator

Dr. Ambedkar Studies Center
Sant Gadge Baba Amravati University
Amravati -444602.

E-mail: gajananggm@yahoo.co.in, gajananmuley@sgbau.ac.in

Phone: Office: +91-721-2662279 ext-269



Residential Address

26, Godavari Colony,
Near Asha Colony, Tapovan
Amravati-444602
Mobile: +91-9850325379

Education

Certificate / Degree	Board/ University	School/College/University	Year of Passing	% of marks	Rank
B.Sc.	Amravati University	Rajasthan College, Washim.	1999	73.40	---
M.Sc. (Physics)	Amravati University	Dept. of Physics, Amravati University, Amravati.	2002	73.20	I
Ph.D. (Physics)	Sant Gadge Baba Amravati University, Amravati	Dept. of Physics, SGB Amravati University, Amravati. Title: Growth and Characterization of Laser Materials and Nonlinear Crystals	2009	---	---

Other qualifications

1. NET (JRF + Lectureship) June-2002. (Stood within 20% of toppers). Conducted by UGC-CSIR New Delhi.
2. NET (Lectureship) December-2001, Conducted by UGC-CSIR New Delhi.
3. SET (Lectureship) February-2002. Pune University, Pune.
4. DRDO-SET (Scientist-B) 2002, DRDO New Delhi.
5. JEST (JRF) February-2002 (Percentile- 86.1248). IIA Bangalore.

Other courses completed

1. Certificate in Computer Software (APTECH Computer Education).
2. Scientifics/computer language known: FORTRAN 77

Extracurricular activities

1. Participation in National Service Scheme during B.Sc.
 2. Worked as a surveyor in a Fourth Financial Survey in 1998.
 3. Worked as a volunteer in "Sampurn Saksharta Abhiyan" (1997).
 4. Second prize in Handwriting below 16 year (1990-91).
 5. Qualified 'Rashtrabhasha Pravesh Pariksha' IIIrd Grade in February 1991.
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Awards and Honours

1. Top Cited Article 2018-2019, Paper Has Been Recognized As A Top Cited Paper In Crystal Research & Technology
2. उत्कृष्ट सेवा गौरव पुरस्कार-विद्यापीठ शिक्षक, संत गाडगे बाबा अमरावती विद्यापीठ अमरावती, वर्ष-२०१७-२०१८
Best Service Award-University Teacher, Sant Gadge Baba Amravati University, Amravati for year 2017- 2018
3. Excellent Article Award- 2018 for a research article "Effect of Sodium Metasilicate on Structural, Optical, Dielectric and Mechanical Properties of ADP Crystal" published in Journal of Materials Science and Technology 32 (2016) 62-67
4. Advisory Committee Member, National Conference on Upcoming Trends in Chemical Science UTCS-2013 organized by Department of Chemistry, Shri Anand College of Science, Pathardi, Dist. Ahmednagar, during September 6-7, 2013.
5. National Overseas Scholarship-2005 for Ph.D. abroad offered by Ministry of Social Justice and Empowerment, Government of India.
6. Second Rank Best Poster Presentation, UGC Sponsored National Seminar on "CHEMI-PHYSICS", February, 28, 2010, Organized by Department of Chemistry and material science, Shri R. R. Lahoti Science College, Morshi, Dist. Amravati.
7. NET (JRF + Lectureship) June-2002. (Stood within 20% of toppers). Conducted by UGC-CSIR New Delhi.
8. First Merit in M.Sc.

Foreign countries visited

1. South Korea- To present paper in international conference and visit laboratories

Experience

Teaching experience

Name of institution	Post occupied	Duration
Sant Gadge Baba Amravati University, Amravati	Lecturer/Assistant Professor/Associate Professor/Professor in Physics	From March 21,2003 to till date
Siddharth College of Arts, Science and Commerce, Fort, Mumbai.	Lecturer in Physics	November 11, 2001 to March 20, 2003.
Shivaji Science College, Amravati	Lecturer in Physics on CHB	June-2002 to October-2002.

Authorities

Role	Institution/Center	Duration
Member	Senate Sant Gadge Baba Amravati University, Amravati -444602.	September 01, 2017 - August 30, 2022
Member Chairman	Board of Studies, Humanities & Applied Sciences, General Engg. Board, Sant Gadge Baba Amravati University, Amravati -444602.	September 01, 2017 - August 30, 2022
Member	Board of Studies, Physics Board, Sant Gadge Baba Amravati University, Amravati -444602.	July 01, 2019 - till date
Member	Academic Council, Sant Gadge Baba Amravati University, Amravati -444602.	

Administrative responsibilities

Role	Institution/Center	Duration
Coordinator	Post Graduate Teaching Department of Dr. Babasaheb Ambedkar Thoughts Sant Gadge Baba Amravati University, Amravati -444602.	August 18, 2017 - till date
Coordinator	Buddhist Studies Center Sant Gadge Baba Amravati University, Amravati -444602.	April 01, 2015 - till date
Co-coordinator	Dr. Ambedkar Studies Center Sant Gadge Baba Amravati University, Amravati -444602.	July 02, 2012 - till date
Teacher in-charge	Remedial coaching classes for SC/ST/OBC/Minority students Department of Physics, SGB Amravati University, Amravati-444602.	2009- till date
Co-coordinator	Alumni Meet- Silver Jubilee Alumni Celebrations-2017 Department of Physics, Sant Gadge Baba Amravati University, Amravati	March 25, 2017
Convener	National conference on Buddhist Philosophy-A Present Day Need, NCBP-2016 Department of Physics, SGB Amravati University, Amravati-444602.	March 12, 2016
Coordinator	Short Term Course in Conventional Energy Conservation UGC-Academic Staff College, SGB Amravati University,	February 10-15, 2014

Convener

Amravati-444602.

National conference on "Lasers and Advanced Materials" NCLAM-2012

Department of Physics, SGB Amravati University, Amravati-444602.

May 29-30, 2012

Courses completed

1. **Faculty Development Program:** One week online National Level Online Faculty Development Program on "G Suite & Allied Tools in Education, Teaching & E-Content Development" held during June 29 2020 to July 04, 2020 by Department of Computer Science, Sant Gadge Baba Amravati University, Amravati.
2. **Summer School:** Indian Summer School on Crystal Growth (ISSCG-2020) Organized by SSN Research Centre, SSN Institutions (Autonomous) Chennai-603110, Tamil Nadu, India in association with Indian Association for Crystal Growth (IACG) during 14-23 May 2020
3. **Short Term Course:** Short Term Course on Research Methodology held during July 25-30, 2016 at HRDC, Pondicherry University, Puducherry.
4. **Refresher Course:** XXXIth Refresher Course in Experimental Physics held during October 12-28, 2011 at Indian Academy of Sciences, Bangalore.
5. **Refresher Course:** 4th Refresher Course on Environmental Studies held during February 2-22, 2010 at UCG-Academic Staff College, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
6. **Orientation Course:** 59th Orientation Course held during July 1-28, 2005, at UCG-Academic Staff College, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

Books Published

1. Muralidhar Chandekar, Rajesh Jaipurkar, A. P. Deshmukh, G. G. Muley, V. K. Nagale (Editors), A Proceedings of 2nd National Conference on Buddhist Philosophy-A Present Day Need NCBP-2018, ISBN 978-93-84021-75-7.
2. A. P. Deshmukh, G. G. Muley, V. K. Nagale (Editors), Buddhist Philosophy-A Present Day Need, A Proceedings of National Conference on Buddhist Philosophy-A Present Day Need NCBP-2016, ISBN 978-93-5258-743-8.
3. G. G. Muley (Guest Editor), Special Issue-Materials Science, Journal of Advances in Applied Sciences and Technology, 1 (2) (2014). ISSN Print 2393-8188, ISSN Online 2393-8196.
4. G. G. Muley (Editor), Lasers and Advanced Materials, A Proceedings of National Conference on Lasers and Advanced Materials NCLAM-2012, ISBN 978-81-922256-6-1, Excel Publications, Amravati.
5. M. N. Rode, G. G. Muley, L. B. Jadhavar, First Course in Physics, Anand Prakashan, Aurangabad. January 2010.

Research**Research area:**

1. Nonlinear optical properties of materials- nano particles to bulk crystals
2. Optical Biosensors

In Lab Major Research Facilities:

1. Crystal growth units- Constant temperature water bath, CZ-apparatus, programmable high temperature furnaces
2. Second harmonic generation test setup
3. Self frequency doubling measurement setup
4. Up conversion setup
5. Laser damage threshold measurement setup
6. Z-scan setup
7. Optical biosensor response measurement setup
8. UV-visible spectrophotometer
9. Lasers- Nd:YAG laser (1064 nm, 532 nm, 10 Hz pulse repetition rate, 10 nm pulse width), Diode laser (808nm, 5W, cw), He-Ne lasers (632.8 nm, 10 mW, 2 mW)
10. Laser power meters
11. CCD camera beam profiler
12. Ultrasonic interferometer
13. High resistance meter
14. Nano particles synthesis facility
15. Centrifuge
16. Vacuum filter
17. Optical fiber connectorisation kit

Research Projects:

Sr. No.	Title of the Project	Funding Agency	Amount sanctioned (In INR)	Status
01	An Inexpensive Method for the Determination of Oxalate in Urine and Assessment of Hyperoxaluria by Nano-based Paper Strip Technique	RGSTC, Mumbai	34,76,000.00	Ongoing March 2017 - March 2020 (Co-Investigator)
02	Design, growth and study of amino acid based semiorganic crystals for nonlinear optical applications	DST, New Delhi	36,10,000.00	Completed October 29, 2013- October 28, 2017
03	Investigations on the Self Frequency Doubling Crystals for the Development of Lasers	DST, New Delhi	16,53,600.00	Completed August 29, 2013- August 28, 2016
04	Design, Growth and Characterization of Nd Doped Oxyborate SFD Crystals for Laser Development	UGC, New Delhi	9,58,300.00	Completed/ended July 01 2012-June 30, 2015
05	Development and Study of the Cladding Modified Fiber Optic	DRDO, New Delhi	21,01,341.00	Completed May 10, 2011-

06	FIST Level-0	DST, New Delhi	36,00,000.00	Member --
07	Development of Nano Structure Material By Pulsed Laser Deposition Technique	DRDO, New Delhi	14,46,000.00	February 24, 2009 - February 23, 2011 Completed/ended (Co-Investigator)

Ph. D. Supervisor:

1. Recognized Ph.D. supervisor of Sant Gadge Baba Amravati University, Amravati.

Ph. D. Research Students:

SN	Name	Topic	Status
Degree awarded			
01	Mr. P. M. Wankhede	Studies on the Growth and Nonlinear Optical Properties of Amino Acid based Single Crystals	Awarded [Notification No. 41/2015 February 18, 2015]
02	Mr. Y.S. Tamgadge	Design And Development Of Nano-Composites For Nonlinear Optical Applications	Awarded [Notification No. 109/2017 January 12, 2017]
03	Mr. V. G. Pahurkar	Study Of Cladding Modified Fiber Optic Intrinsic Sensor for Glucose Sensing Applications	Awarded [Notification No. 139/2017 February 13, 2017]
04	Mr. Mohd Anis	Investigation on properties of nonlinear optical crystals doped with organic and inorganic additives for device applications	Awarded [Notification No. 12/2018 May 15, 2018]
05	Mr. A. L. Sunatkari	Nonlinear Optical Studies on the Polymer Embedded Metal Nanoparticles	Awarded [Notification No. 26/2018 July 05, 2018]
06	Ms. S. S. Talwatkar	An Investigation on the Second and Third Order Nonlinear Optical Properties of Nanostructures	Awarded [Notification No. 29/2018 August 18, 2018]
07	Mr. G. B. Harde	Growth and Characterization of Nd and Yb Doped Crystals for Development of SFD lasers	Awarded [Notification No. /2022 May ..., 2022]
Thesis submitted			
01			
Research work ongoing			
01	Mr. S. B. Kalokhe	Growth and Characterization of Phosphate and Sulphate based Nonlinear Optical Single Crystals	Ongoing [Reg.No. SGBAU/Ph.D./PHY/5328/2012 w.e.f. 15.1.2012 File No. 5328]
02	Mr. Vishal B Bhise	Study Of Amino Acids Based Single Crystals For Nonlinear Optical	SGBAU/Ph.D./Phy/492/2021 w.e.f. 01.09.2019

03	Mr. Suraj P Ramteke	Applications Growth And Study Of Pure And Doped Inorganic Crystals For Nonlinear Optical Devices Applications	SGBAU/Ph.D./Phy/493/2021 w.e.f. 01.09.2019
04	Mr. Bhausaheb L Gaikwad	Investigation on Pure and Doped Tellurite Glasses for Nonlinear Optical Application	Admitted
05	Mr. Rohan Shirsat	Synthesis of Inorganic and Semi Organic Crystals for Second Harmonic Generation Application	Admitted
06	Ms Harsha Deshmukh	..	Admitted
07	Mr. Shailendra Sandmare	..	Admitted

Research Papers Published in International Journals:

1. A.L. Sunatkari, S.S. Talwatkar, Y.S. Tamgadge, G.G. Muley
Comprehensive study of L-Alanine passivated colloidal gold nanoparticles and GNP-PVP thin films: Linear optical properties and very large nonlinear refractive index, absorption coefficient, third-order nonlinear susceptibility measurements and effect of passivation
Optical Materials 121 (2021) 111458
ISSN: 0925-3467
Elsevier
Impact Factor-3.754
2. Yuoraj S. Tamgadge, Gajanan G. Muley, Narendra B. Thakre, Sugandha V. Khangar, Rajesh P. Ganorkar, and Reena Y. Bakale
Synthesis and Nonlinear Optical Absorption of L-Valine Capped Zn-Doped MgO Nanoparticles
Macromol. Symp. 2021, 400, 2100021
ISSN: 1521-3900

Impact Factor-0.85
3. S. N. Botewad, V. G. Pahurkar, G. G. Muley, D. K. Gaikwad, Gajanan A. Bodkhe, Mahendra D. Shirsat and P. P. Pawar
PANI-ZnO Cladding-Modified Optical Fiber Biosensor for Urea Sensing Based on Evanescent Wave Absorption
Frontiers in Materials June 2020 | Volume 7 | Article 184
ISSN: 22968016
Frontiers
Impact Factor-3.515
4. S.R. Kande, B.H. Zaware, G.G. Muley And A.B. Gambhire
Co-Doped SnO₂ Supported on Activated Carbon: An Efficient Solar Photocatalyst for the Degradation of Rhodamine B
Asian Journal of Chemistry 32:3 (2020) 519-527
ISSN: 9707077

Impact Factor-
5. G. B. Harde, G. G. Muley
Synthesis and characterization of novel non-linear optical material La₂BaB₁₀O₁₉

Impact Factor-

6. S.P. Ramteke, Mohd Anis, M.I. Baig, H. Algarni, G.G. Muley
Optimizing optical traits of ammonium zinc sulphate hydrate crystal exploiting Nd³⁺ for photonic device applications
Optik - International Journal for Light and Electron Optics 197 (2019) 163219
ISSN: 0030-4026
Elsevier
Impact Factor-1.194 (2019)
7. U.G. Ghoshir, S.R. Kande, G.G. Muley and A.B. Gambhire
Synthesis and Characterization of Co-Doped Fly Ash Catalyst for Chalcone Synthesis
Asian Journal of Chemistry; Vol. 32, No. 3 (2020), 519-527
ISSN: 0975-427X (Online) ISSN: 0970-7077 (Print)
Asian Publication Corporation
Impact Factor-
8. A. L. Sunatkari, S. S. Talwatkar, Y. S. Tamgadge and G. G. Muley
Surfactant-dependant thermally induced nonlinear optical properties of L-ascorbic acid-stabilized colloidal GNPs and GNP-PVP thin films
RSC Adv. 9 (April 2019) 15502–15512
ISSN 2046-2069
Impact Factor-3.049
9. Mohd Anis, M.I. Baig, G. G. Muley, S. AlFaify, M.Ajmal Khan
Impact of increasing concentration of L-alanine environment on structural, UV-vis, SHG efficiency, luminescence and dielectric traits of zinc thiourea chloride (ZTC) crystal
Optik - International Journal for Light and Electron Optics 185 (March 2019) 317–324
ISSN: 0030-4026
Elsevier
Impact Factor-1.914 (2019)
10. B. Sunil, D. K. Gaikwad, V. G. pahurkar, G. G. Muley, P. P. Pawar
POA Matrix Cladding Modified Optical Fiber Urea Biosensor
International Journal of Advance and Innovative Research 6:1 (March 2019) 10-13
Indian Academicians and Researchers Association
Impact Factor-
11. S. P. Ramteke, Mohd Anis, G. G. Muley
Z-Scan Studies of Tartaric Acid Influenced Ammonium Dihydrogen Phosphate (ADP) Crystal
International Journal of Advance and Innovative Research 6:1 (March 2019) 14-16
Indian Academicians and Researchers Association
Impact Factor-
12. Y. S. Tamgadge, V. G. Pahurkar, S. S. Talwatkar, G. G. Muley
Synthesis and Characterization of L-Valine Capped MgO Nanoparticles
International Journal of Advance and Innovative Research 6:1 (March 2019) 22-24
Indian Academicians and Researchers Association
Impact Factor-
13. S. R. Dagdale, M. N. Rode, Anil B. Naik, Anil B. Gambhire, G. G. Muley
Optical and Structural Properties of Dy₂O₃ Doped Aluminium Zinc Borate Glasses
International Journal of Advance and Innovative Research 6:1 (March 2019) 48-51
Indian Academicians and Researchers Association

Impact Factor-

14. V. G. Pahunkar, Y. S. Tamgadge, P. M. Wankhade, A. B. Gambhire and G. G. Muley
Development and MPD Sensing Study of Fiber Optic POA/GOX Modified Biosensor for The Detection Of Glucose
International Journal of Advance and Innovative Research 6:1 (March 2019) 93-96
Indian Academicians and Researchers Association
Impact Factor-
15. A. L. Sunatkari, S. S. Talwatkar, Y. S. Tamgadge and G. G. Muley
Nonlinear Refractive Index, Absorption Coefficient and Third Order Nonlinear Susceptibility of Gold Nano Colloids
International Journal of Advance and Innovative Research 6:1 (March 2019) 102-105
Indian Academicians and Researchers Association
Impact Factor-
16. S. S. Talwatkar, A. L. Sunatkari, Y. S. Tamgadge and G. G. Muley
Photoluminescence and Ftir Study of CdS NPs Co-Doped with Li⁺ and Cs⁺
International Journal of Advance and Innovative Research 6:1 (March 2019) 123-126
Indian Academicians and Researchers Association
Impact Factor-
17. S. S. Talwatkar, A. L. Sunatkari, Y. S. Tamgadge and G. G. Muley
Co-dopant (Li⁺-Cs⁺) Dependant Structural and Optical Study of CdS NPs
International Journal of Advance and Innovative Research 6:1 (March 2019) 127-130
ISSN:2394-7780
Indian Academicians and Researchers Association
Impact Factor-
18. Y.S. Tamgadge, G.G. Muley, R.P. Ganorkar
Z-scan studies of Sn doped CuO nano-colloidal suspension
Optical Materials 89 (March 2019) 591–597
Elsevier
Impact Factor-2.238
19. Y. S. Tamgadge, G. G. Muley, M. A. Mahure, P. P. Gedam, A. L. Sunatkari
Optical limiting in Sr and Cd doped CuO-PVA nanocomposites colloidal suspension under 808nm CW excitation
Research Journey 110 (I) (February 2019) 280-283
Swatidhan International Publication
Impact Factor-
20. Y. S. Tamgadge, G. G. Muley, S. S. Arsad, N. B. Thakare, R. P. Ganorkar
Optical Limiting Properties of Sr and Cu Doped Zno-PVA Nanocomposites Colloidal Suspension
Research Journey 110 (I) (February 2019) 50-53
ISSN No: 2348-7143
Swatidhan International Publication
Impact Factor-
21. Mohd Anis, G.G. Muley, M.I. Baig, G. Rabbani, H.A. Ghramh, S.P. Ramteke
Doping effect of Ni²⁺ on structural, UV-visible, SHG efficiency, dielectric and microhardness traits of KH₂PO₄ (KDP) crystal
Optik 178 (February 2019) 752–757
ISSN: 0030-4026
Elsevier
Impact Factor-1.914

22. Y.S. Tamgadge, G.G. Muley, K.U. Deshmukh, V.G. Pahurkar
Synthesis and nonlinear optical properties of Zn doped TiO₂ nano-colloids
 Optical Materials 86 (December 2018) 185–190
 ISSN: 0925-3467
 Elsevier
 Impact Factor-2.687 (2019)
23. Mohd Anis, M.I. Baig, G.G. Muley, G. Rabbani, M.D. Shirsat, Mohd. Shkir, H.A. Ghramh
Gamma glycine crystal for efficient second harmonic generation of 1064 nm Nd:YAG laser light
 Materials Letters 233 (September 2018) 238–241
 ISSN: 0167-577X
 Elsevier
 Impact Factor-3.019 (2019)
24. Mohd Anis, Mohd Shkir, M.I. Baig, S.P. Ramteke, G.G. Muley, S. AlFaify, H.A. Ghramh
Experimental and computational studies of L-tartaric acid single crystal grown at optimized pH
 Journal of Molecular Structure 1170 (May 2018) 151-159
 ISSN: 0022-2860
 Elsevier
 Impact Factor-2.120 (2019)
25. Y. S. Tamgadge, P. P. Gedam, N. B. Thakare, S. S. Talwatkar, A. L. Sunatkari, G.G. Muley
Optical limiting in Gelatine stabilised Cu-PVP nanocomposite colloidal suspension
 AIP Conf. Proc. 1953 (May 2018) 030002-1–030002-4
 American Institute of Physics
 Impact Factor-
26. Y. S. Tamgadge, P. P. Gedam, R. P. Ganorkar, M. A. Mahure, V. G. Pahurkar, G.G. Muley
Synthesis and characterisation of Ni doped ZnO nanoparticles
 AIP Conf. Proc.1953 (May 2018) 030003-1–030003-4
 American Institute of Physics
 Impact Factor-
27. S. S. Talwatkar, A. L. Sunatkari, Y. S. Tamgadge, G.G. Muley
Nonlinear refraction of Nd³⁺-Li⁺ co-doped CdS-PVP nanostructure
 AIP Conf. Proc.1953 (May 2018) 060004-1–060004-4
 American Institute of Physics
 Impact Factor-
28. A. L. Sunatkari, S. S. Talwatkar, Y. S. Tamgadge, G.G. Muley
Enhanced nonlinear optical properties of L-arginine stabilised gold nanoparticles embedded in PVP polymer
 AIP Conf. Proc.1953 (May 2018) 100008-1–100008-4
 American Institute of Physics
 Impact Factor-
29. S. S. Talwatkar, A. L. Sunatkari, , Y. S. Tamgadge, G.G. Muley
Optical Properties of Nd³⁺-Li⁺ Co-Doped ZnS-PVP thin films
 AIP Conf. Proc.1942 (April 2018) 080060-1-080060-4
 ISSN · 0094-243X (print) 1551-7616 (web)
 American Institute of Physics
 Impact Factor-
30. S.P. Ramteke, M.I. Baig, Mohd Shkir, S. Kalainathan, M.D. Shirsat, G.G. Muley, Mohd Anis
Novel report on SHG efficiency, Z-scan, laser damage threshold, photoluminescence, dielectric and surface microscopic studies of hybrid inorganic ammonium zinc sulphate hydrate single crystal
 Optics and Laser Technology 104 (August 2018) 83–89

ISSN: 0030-3992
Impact factor: 3.319 (2019)
Elsevier
Impact Factor-2.109

31. S.P. Ramteke, Mohd Anis, M.I. Baig, Mohd Shkir, V. Ganesh, G.G. Muley
Eye-catching modification in external morphology, photoluminescence and SHG efficiency of $\text{NH}_4\text{H}_2\text{PO}_4$ crystal: A consequence of influential presence of tartaric acid
Optik 158 (April 2018) 634–638
ISSN: 0030-4026
Elsevier
Impact Factor-1.914
32. Y. S. Tamgadge, R. P. Ganorkar, A. B. Malpe, A. V. Rewatkar, P. P. Gedam, G.G. Muley
Synthesis and Characterization of L-Valine Capped Sn Doped CuO Nanoparticles
International Journal Of Current Engineering And Scientific Research (IJCESR) 5 (1) (January 2018) 343-345
International Journal Of Current Engineering And Scientific Research
ISSN p-2393-8374 e-2394-0697
Impact Factor-
33. Mohd Anis, S.S. Hussaini, Mohd Shkir, S. AlFaify, M.I. Baig, G.G. Muley
Uncovering the influence of Ni^{2+} on optical and dielectric properties of $\text{NH}_4\text{H}_2\text{PO}_4$ (ADP) crystal
Optik 157 (March 2018) 592–596
ISSN: 0030-4026
Elsevier
Impact Factor-1.914
34. S.N. Botewad, V.G. Paturkar, G.G. Muley
Fabrication and evaluation of evanescent wave absorption based polyaniline-cladding modified fiber optic urea biosensor
Optical Fiber Technology 40 (January 2018) 8–12
ISSN: 1068-5200
Elsevier
Impact Factor-1.824 (2019)
35. S.P. Ramteke, Mohd Anis, M.S. Pandian, S. Kalainathan, M.I. Baig, P. Ramasamy, G.G. Muley
Nonlinear optical and microscopic analysis of Cu^{2+} doped zinc thiourea chloride (ZTC) monocrystal
Optics and Laser Technology 99 (February 2018) 197–202
ISSN: 0030-3992
Elsevier
Impact Factor-3.319 (2019)
36. S.P. Ramteke, Mohd Anis, M.I. Baig, G.G. Muley
Influence of Cu^{2+} ion on structural, luminescence and dielectric properties of zinc thiourea chloride metal-organic complex crystal
Optik 154 (February 2018) 275–279
ISSN: 0030-4026
Elsevier
Impact Factor-1.914
37. Gajanan G. Muley, Prakash S. Ambhore, Anil B. Gambhire
Investigation on effect of LiCl doping on optical properties of L-arginine acetate single crystal
Materials Today: Proceedings 4 (October 2017) 9491–9495
Elsevier
Impact Factor-
38. G. B. Harde and G. G. Muley

Synthesis and characterization of pure and Nd-doped Bismuth Zinc Oxyborate ($\text{Bi}_2\text{ZnOB}_2\text{O}_6$)

Materials Today: Proceedings 4 (October 2017) 9496–9499

ISSN: 2214-7853

Elsevier

Impact Factor-

39. Pratik M. Wankhade, Gajanan G. Muley
Growth, morphology, optical, thermal, mechanical and electrical studies of cesium chloride doped L-alanine single crystal
Chinese Journal of Physics 55 (December 2017) 2181–2191
ISSN: 0577-9073
Elsevier
Impact Factor-2.544
40. Mohd Anis, S.P. Ramteke, M.D. Shirsat, G.G. Muley, M.I. Baig
Novel report on γ -glycine crystal yielding high second harmonic generation efficiency
Optical Materials 72 (October 2017) 590-595
ISSN 0925-3467
Elsevier
Impact Factor-2.238
41. M.I. Baig, Mohd Anis, G.G. Muley
Influence of tartaric acid on linear-nonlinear optical and electrical properties of KH_2PO_4 crystal
Optical Materials 72 (October 2017) 1–7
ISSN 0925-3467
Elsevier
Impact Factor-2.238
42. V.G. Pahunekar, Mohd Anis, M.I. Baig, S.P. Ramteke, B. Babu, G.G. Muley
Synchronized effect of Ca^{2+} ion doping concentration on structural, UV-vis and second harmonic generation efficiency of zinc thiourea chloride (ZTC) crystal: An interesting comparative study
Optik 142 (August 2017) 421–425
Elsevier
Impact Factor-1.914
43. Mohd Anis, M. S. Pandian, M. I. Baig, P. Ramasamy and G. G. Muley
Monocrystal growth and characterization study of α - and γ -polymorph of glycine to explore superior performance of γ -glycine crystal
Materials Research Innovations, 2018, VOL. 22, NO. 7, 409–414
Print ISSN: 1432-8917 Online ISSN: 1433-075X
Taylor & Francis
Impact Factor-0.83
44. M. I. Baig, M. Anis, S. Kalainathan, B. Babu and G. G. Muley
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17. Y. S. Tamgadge, R. V. Sangludkar, R. V. Salodkar, S. B. Sawarkar, **G. G. Muley**,
"Effect of PVP as capping agent on the optical properties of ZnO nanoparticles",
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 Shankarlal Khandelwal Arts, Science & Commerce College, Akola, Maharashtra. (pp. 121-124)
18. Pratik M. Wankhade, Satish A. Athawale, Anil B. Naik, Anil B. Gambhire, **Gajanan G. Muley**,
"Optical properties of KCl doped L-arginine phosphate monohydrate nonlinear optical single crystal",
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 Shankarlal Khandelwal Arts, Science & Commerce College, Akola, Maharashtra. (pp. 166-171)
19. R.R. Bhosale, S.R. Pujari, M.F. Shaikh, S.B. Pawar, S.K. Narwade, **G.G. Muley**, A.B. Gambhire,
A comparative study on characterization, photocatalytic activities of doped TiO₂ nanocrystalline powders,
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 Department of Chemistry, Shri Anand College of Science, Pathardi, Dist. Ahmednagar
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20. A. B. Naik, D. T. Tayade, **G. G. Muley**,
"Stability Constant of Pr (III) and La (III) with Substituted Pyrazolines"
 Upcoming Trends in Chemical Science-A Proceedings of National Conference UTCS-2013 (ISBN 978-81-905776-99-9)
 Department of Chemistry, Shri Anand College of Science, Pathardi, Dist. Ahmednagar,
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21. S. S. Talwatkar, A. L. Sunatkari, Y. G. Tamgadge, V. G. Paturkar, **G. G. Muley**,
"Optical Studies on CdS Nanoparticles Co-Doped with (Nd + Li) and Capped by L-Arginine",
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22. Y. S. Tamgadge, A. L. Sunatkari, S. S. Talwatkar, S. B. Sawarkar, R. V. Salodkar, V. G. Paturkar, **G. G. Muley**,
"Effect of Capping Agents on the Particle Size of ZnO Quantum Dots",
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23. P.M. Wankhade, A.B. Gambhire, A.B. Naik, S. P. Bhagat, **G.G. Muley**,
"Optical Properties of Urea Doped L-Arginine Phosphate Monohydrate (LAP) Single Crystals",
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24. L. Sunatkari, S. S. Talwatkar, Y. G. Tamgadge, V. G. Pahurkar, **G. G. Muley**,
"Synthesis and Optical Properties of Ag/PVP Nano-Composite",
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25. Y. S. Tamgadge, A. L. Sunatkari, S. A. Sunatkari, S. M. Palhade, M. R. Belkhedkar, N.B. Thakare, **G. G. Muley**, "
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Department of Chemistry, Shri Anand College of Science, Pathardi, Dist. Ahmednagar,
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26. P. M. Wankhede, **G. G. Muley**,
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27. P. S. Ambhore, S. K. Devade, **G. G. Muley**,
"Crystal structural and SHG efficiency study on KCl doped KDP crystals",
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"Study on optical properties of Cd doped ZTS single crystals",
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Department of Physics, Mungsaji Mahavidyalaya Darwha, Dist. Yavatmal MS
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29. P. S. Ambhore, A. B. Gambhire, S. K. Devade, **G. G. Muley**,
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"Study on effect of SrCl₂ doping on crystal structure and SHG efficiency of KDP",
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32. S. S. Gundale, M. N. Rode, G. G. Muley,
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Department of Physics, Sant Gadge Baba Amravati University, Amravati-444602
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33. Nisha P. Bharti, A. B. Naik, Y. S. Tamgadge, G. G. Muley,
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34. S.M.Yenorkar, S.A.Waghuley, G. G. Muley, S.S.Yawale, S.P.Yawale,
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35. A. L. Sunatkari, A.B. Naik, M.N. Rode, B. H. Pawar, G.G.Muley,
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December 03, 2011. Souvenir p. 29.
36. Y. S. Tamgadge, G.G.Muley,
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(Proceeding Pages 65-69).
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39. A. L. Sunatkari, S. S. Talwatkar, S. J. Uke, Y. M. Mohekar, D. J. Bhagat, S. A. Waghuley,
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PHOTOTHERAPY A NEW MODALITY IN THE TREATMENT OF EPIDERMIC DISEASES LIKE VITILIGO,
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On the Growth Habit of NLO Urea Phosphate Doped KDP Crystals,
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Synthesis, Growth and Characterization of Nonlinear Optical Glycine Amino acid mixed Di-Sodium hydrogen phosphate (DSHP),
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51. Naik A. B., Narwade M. L., Muley G.G.
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53. S. A. Waghuley, R. S. Bobade, A. V. Kohle, G. G. Muley, G. T. Lamdhade, S. S. Yawale, F. C.
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Department of Physics, Vidya Bharati Mahavidyalaya, Amravati
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55. M. N. Rode, S. S. Hussaini, G. G. Muley, B. H. Pawar, M. D. Sirsat,
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Bhalerao Science College, Saoner, Dist. Nagpur. (pp. 38-43)
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56. S. A. Waghuley, R. S. Bobade, G. G. Muley, S. S. Yawale, F. C. Raghuwanshi, S. P. Yawale, B. H. Pawar,
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FT-IR and Thermal Studies of L-Arginine and L-Alanine Doped ADP single Crystals,
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59. ***Enhancement Of Rate Of Transport Of Melanin By Laser Irradiation,***
Eight DAE-BRNS National Laser Symposium-08 (NLS-08)
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60. G.G.Muley, M.N.Rode, S. K. Devade, S.S. Arsad, B. H. Pawar
Growth and Characterization of L-Alanine Doped KDP crystals for SHG Applications,
Solid State Physics Symposium 2008 (SSPS-08),
BARC Mumbai. (pp. 1269-1270)
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61. B. H. Pawar, Dr. Sandip Arsad, S. H. Behere, S. S. Arsad, S. K. Devhade, K. P. Kadam, G. G. Muley, S. C. Bujrge, D. S. Chavan,
PULSED NITROGEN LASER FOR THE TREATMENT OF PSORIASIS,
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February 19, 2007
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National Seminar on Biophysics organized by J.T. Patil Sangludkar Mahavidyalaya Daryapur Dist. Amravati
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STUDY OF RATE OF TRANSPORT OF MELANIN IN ITILIGO TREATED WITH NITROGEN LASER
National Seminar on Biophysics organized by J.T. Patil Sangludkar Mahavidyalaya Daryapur Dist. Amravati
February 19, 2007
64. ***Photochemotherapy in the treatment of psoriasis,***
NATIONAL SYMPOSIUM ON SPECTROSCOPY AND ITS APPLICATIONS (NSSA-2006)
The Department of Spectroscopy, Indian Association for the Cultivation of Science, Jadavpur, Kolkata 700032, INDIA
January 18 - 20, 2006
65. ***Study of phototherapy with pulsed uv nitrogen laser for repigmentation in segmental type vitiligo,***
NATIONAL SYMPOSIUM ON SPECTROSCOPY AND ITS APPLICATIONS (NSSA-2006)
The Department of Spectroscopy, Indian Association for the Cultivation of Science, Jadavpur, Kolkata

66. **Several Transitions of Nitrogen can amplify the Radiation at the corresponding wavelength**
NATIONAL SYMPOSIUM ON SPECTROSCOPY AND ITS APPLICATIONS (NSSA-2006)
The Department of Spectroscopy, Indian Association for the Cultivation of Science, Jadavpur, Kolkata
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67. B. H Pawar, Dr. S. S. Arsad, S. S. Arsad, K. P. Kadam, S. K. Devade, N. S. Mahalle, B. S. Munde, D. K. Kendre and G.G. Muley,
Photochemotherapy in the treatment of psoriasis,
Sixth DAE-BRNS National Laser Symposium (NLS-06), Raja Ramanna Centre for Advanced Technology (RRCAT) Indore,
Dec 5-8 ; 2006
68. B.H. Pawar, F.C.Raghuvanshi, V.B. Rajurkar, N.S. Mahalle, B.S. Munde, S.K. Devhade, S.S. Arsad, G.G. Mule, D.G. Dabare, P.B. Minase,
Study of water and Nutrient stresses in the plant using Fluorescence Kinetics.
National Conference on Luminescence and its Applications NCLA-2006
Department of Physics, Sant Gadge Baba Amravati University, Amravati. (pp. 110-111)
February 7-9, 2006
69. B.H.Pawar, F.C.Raghuwanshi, S.K.Devhade, G.G.Mule, and N.K.Patil,
Effect of Discharge Current and Pressure on the Output Power Variation in the He-Ne Laser Discharge.
Forth DAE-BRNS National Laser Symposium (NLS-04), Bhabha Atomic Research Center (BARC) Mumbai
Jan 10-13, 2005. (pp. 121-122)
70. B.H.Pawar, N.K.Patil and G.G.Muley,
Determination of the Lifetime of the Upper State of the Luminescent Material.
National Conference on Lasers and its Applications NCOLA-2004
Department of Physics, Amravati University, Amravati
28-30 Jan 2004
71. S. S. Phirke, N.K.Patil G.G.Muley, B.H.Pawar,
Development Of A Simple Transmission Grating Using Photographic Negatives,
National Conference on Lasers and its Applications NCOLA-2004,
Department of Physics, Amravati University, Amravati.
28-30 Jan 2004

International Conferences/Seminars/Workshops Attended:

1. International Conference on Advances in Physical, Chemical & Mathematical Sciences (ICAPCM-2020)
Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur February 13-16, 2020.
2. Synthesis and Characterization of Dysprosium Doped Lanthanum Calcium Borate $\text{La}_2\text{O}_3\text{-8CaO-3B}_2\text{O}_3$ Glasses, International Conference on Advanced Functional Materials (AFM-2020), Kamla Nehru College, Nagpur during January 23-25, 2020.
3. 7th International Conference on Innovations in Physical, Chemical and Life Sciences (IPCLS-2018)8
organized by PG Department of Physics and IQAC, New ACS College, Parner, Dist. Ahmednagar during
December 27-28, 2018.

4. International Conference on Recent Trends in Science & Technology ICRTST 2018 organised by SSSKR Innani Mahavidyalaya, Karanja Lad, Dist. Washim MS India on March 22-23, 2018
5. International Conference International Conference on Materials Science and Nanotechnology ICMSNT-2016 at Seoul National University, Seoul organized during May 12-14, 2016
6. International Conference on Recent Trends In Engineering and Material Sciences (ICEMS-2016) organized by Jaipur National University, Jaipur, India during March 17-19, 2016
7. International Conference on Functional Materials and Microwaves (ICFMM - 2015) organized by Department of Physics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS) India during December 28-30, 2015.
8. 7th International Food Convention (IFCON-2013) organized by CSIR-CFTRI Campus, Mysore, Karnataka, India during December 18 - 21, 2013.
9. *International Conference on Emerging Trends in Chemical Sciences (IETC-2013) organized by Chemistry Division, School of Advanced Sciences, VIT University, Vellore- 632 014, Tamil Nadu, Indiaduring December 5-7, 2013.*
10. *International Conference on Nanotechnology (ICNT-2013) during 25 -26 October, 2013. Organized by Haldia Regional Centre, Indian Institute of Chemical Engineers, Dept. of Chemical Engineering, Haldia Institute of Technology, ICARE Complex, Hatiberia – 721657, Haldia, West Bengal.*
11. *International Conference on Nanomaterials & Nanotechnology ICNANO-2011 held at University of Delhi, India during 18-21 December 2011.*
12. *International Conference on Relativity ICR-2005, January 9-12 2005, organized by Department of Mathematics, Amravati University, Amravati.*
13. *International Conference on Luminescence and its Applications (ICLA2004) February 9-12,2004 organized by Luminescence Society of India at BARC Mumbai, India.*

National Conferences/Seminars/Workshops/Meetings Attended:

1. One week online National Level Online Faculty Development Program on “G Suite & Allied Tools in Education, Teaching & E-Content Development” held during June 29 2020 to July 04, 2020 by Department of Computer Science, Sant Gadge Baba Amravati University, Amravati.
2. e-Web Portal Launching & ONE DAY e-WORKSHOP On “Unnat Bharat Abhiyan a Synergic Journey of Higher Educational Institutions towards Inclusive Rural Developmental Process” held on 11th December, 2020 Organized By Regional Coordinating Institute, Unnat Bharat Abhiyan, Sant Gadge Baba Amravati University, Amravati in collaborations with RCI, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad and RCI, Visvesvaraya National Institute of Technology, Nagpur.
3. Participated, Two days online course on “Elemental Arts: Evolution of Modern Periodic Table” organized by Department of Science and Humanities (Chemistry), Sri Krishna College of Engineering and Technology, Coimbatore-641008 on May 1st & 2nd, 2020
4. International Conference on Advances in Physics, Chemical and Mathematical Sciences (ICAPCM-2020) organized by RSTM Nagpur University, Nagpur during February 13-16, 2020.
5. National Conference on New Dimensions in Chemistry & Chemistry Education and National Convention of Chemistry Teachers (NCCT-2019) organized by Department of Chemistry, Sant Gadge Baba Amravati University, Amravati, 05-07 December 2019.

6. One day workshop on Role of Chairman of BoS and Members of Academic Council organized by Sant Gadge Maharaj Arts and Commerce College, Walgaon, Amravati on October 06, 2019.
7. National Conference on Functional Materials Synthesis and Characterisation Techniques (NCFMSCT-2019) organized by Department of Physics, Vaidhyanath College, Parali-Vajinath, Dist Beed.
8. UGC Sponsored National Conference on Emerging Trends in Science organized by Vidyabhaarat Mahavidyalaya, Amravati during February 1-2, 2019.
9. One day workshop cum training program on "Google Classroom" organized by Department of Computer Science and Engineering on January 25, 2019.
10. XVIII School on Neutrons as Probes of Condensed Matter (NPCM-2018) organized by UGC-DAE Consortium for Scientific Research, Mumbai Center and Solid State Physics Division, BARC Mumbai during October 28-November 01, 2018 at BARC, Mumbai.
11. University Level One Day Consultation Meet on Scouting of Suggestions on Draft of UGC Regulation-2018 organized by Sant Gadge Baba Amravati University Shikshak Manch, Amravati on February 27, 2018.
12. Makers Mela at Somaiya Vidyavihar, Mumbai during January 11-13, 2018.
13. State level discussion session on "Dr. Babasaheb Ambedkar, Dr. Bhausaheb Panjabrao Deshmukh: Ek Vaicharik Anuband (डॉ. बाबासाहेब आंबेडकर डॉ. भाऊसाहेब पंजाबराव देशमुख : एक वैचारिक अनुबंध)" organized by Takshshila College, Amravati on April 09, 2017.
14. National Seminar on "Green Chemistry Education for a Sustainable Future of Humanity (GCESFH-2016) organized by Art's, Commerce and Science College, Satral Ta: Rahuri Dist: Ahmednagar on December 23-24, 2016.
15. Workshop on Right to Information Act-2005 organized by Adult Education, Continuous and Extension Service Department, Sant Gadge Baba Amravati University, Amravati on December 02, 2016.
16. Silver jubilee conference on "Study of Matter Using Intense Radiation Sources and Under Extreme Conditions" organized by the UGC-DAE Consortium for Scientific Research, Indore-452001, during November 03-06, 2016.
17. One Day Orientation Workshop on Intellectual Property Rights jointly organized by Government of Maharashtra, RGNIPM and Patent Cell, Sant Gadge Baba Amravati University, Amravati on August 26, 2016.
18. National Seminar organized by Analytical Chemistry Teachers and Researchers Association (ACTRA) and Rajkunwar Mahavidhyalaya, Jalna at Maulana Azad Research Center, Aurangabad on February 28, 2016.
19. National Conference on Chemical Sciences: Emerging Scenario & Challenges (NCCS-2016) at Department of Chemistry, Sant Gadge Baba Amravati University, Amravati during 29-30 January 2016.
20. 20th National Seminar on Crystal Growth and Applications NSCRA-2016 organized by Technical Physics Division, Bhabha Atomic Research Center, Mumbai during 19-21 January, 2016.
21. 4TH INUP Familiarization Workshop on Nanofabrication Technologies at IIT Bombay during December 16-18, 2015
22. 102nd Indian Science Congress, Organized by University of Mumbai in association of Indian Science Congress Association Kolkata during January 3-7, 2015.
23. National Conference on Material Science and Technology organized by Milliya Arts, Science & Management

Science College, Beed (M.S.) on December, 23th and 24th, 2014.

24. UGC Sponsored National Conference on Recent Trends in Mathematics, Physics and their Applications NCRTMPA-2014 organized by Shankarlal Khandelwal Arts, Science & Commerce College, Akola, Maharashtra on March 19, 2014.
25. Invited Teacher, 79th Annual Meetings of Indian Academy of Sciences Organized by Panjab University, Chandigarh in association with CSIR-IMTECH and IISER-Mohali during November 8-10, 2013.
26. Workshop on Patents and Intellectual Property management organized by Patent Cell, Sant Gadge Baba Amravati University, Amravati on February, 2013.
27. National Conference on Lasers and Their Applications NCLA-2012, organized by Department of Physics, B. B. Arts, N. B. Commerce & B. P. Science College, Digras, Dist. Yavatmal MS on December 28, 2012.
28. National Conference on Recent Trends in Physics NCRTTP-2012, organized by Department of Physics, Mungsaji Mahavidyalaya Darwha, Dist. Yavatmal MS during October 26-27, 2012.
29. One day Workshop on "Teaching Skills" organized by Post Graduate Department of Education in association with Student Welfare Department, Sant Gadge Baba Amravati University, Amravati on October 17, 2012.
30. National Seminar on "Current Trends In Material Sciences", NSCTMS-2011, organized by Department of Physics, Shri. Dr. R. G. Rathod, Arts and science College Murtizapur, Dist Akola in association with International Society of Science and Technology (ISST), Mumbai on December 03, 2011.
31. *ONE DAY SEMINAR-CUM-WORKSHOP ON "Personality Development"* Jointly organised by Swami Vivekanand Studies Centre, SGBAU, Amravati & Ramkrishna Vivekanand Samiti, Amravati on 8-4-2011.
32. UGC Sponsored National Conference on Advanced Technologies in Material Science and Their Applications (NCATMSA-2011), March 6, 2011 organised by Department of Physics and Chemistry, Arts Commerce and Science College, Arvi, Dist. Wardha (M.S.).
33. *UGC Sponsored National Conference on Recent Trends in EMBEDDED TECHNOLOGY and its applications NCTETA-2011*, January 22, 2011, Organized by Department of Electronics, Kamla Nehru Mahavidyalaya Nagpur.
34. *Massive Training Program To University and College Counselors*, September 6 and 7, 2010, Organized by Career and Counseling Cell, Students Welfare Department, Sant Gadge Baba Amravati University, Amravati.
35. Second Workshop On Preparation Of Question Bank organized by Sant Gadge Baba Amravati University, Amravati in Collaboration with Association of Indian Universities, New Delhi, during July 2-4, 2010.
36. First Annual Convention of Dr. Ambedkar Teachers Association (DATA) held at Shivaji Agriculture College, Amravati on August 9, 2010.
37. First Workshop On Preparation Of Question Bank organized by Sant Gadge Baba Amravati University, Amravati In Collaboration With Association Of Indian Universities, New Delhi, during July 2-4, 2010.
38. One day Seminar on "Physics and Employability" and "Hurdles in Understanding Physics (Student View)" organized by Departments of Physics, Arts Commerce and Science College, Kiran Nagar, Narsamma Parisar, Amravati on April 22, 2010.
39. *Massive Training Program To University and College Counselors*, March, 13-14, 2010, Organized by Career and Counseling Cell, Students Welfare Department, Sant Gadge Baba Amravati University, Amravati.
40. *UGC Sponsored National Seminar on "CHEMI-PHYSICS"*, February, 28, 2010, Organized by Department of Chemistry and material science, Shri R. R. Lahoti Science College, Morshi, Dist. Amravati.

41. *National Conference on Recent Trends in Material Synthesis and Characterisation NCRTMSC-2009*, December, 4-5, 2009, Bhalerao Science College, Saoner, Dist. Nagpur.
42. *One day Workshop on Lighting for Rural and Urban Low Income Groups using LEDs* on October 3, 2009, organized by Sant Gadge Baba Amravati University, Amravati.
43. *One day Training Programme for Science and Teachers* on August 8, 2009 by Sant Gadge Baba Amravati University, Amravati and CDEEP IIT Bombay at Sant Gadge Baba Amravati University, Amravati.
44. *Total Solar Eclipse-09 Workshop* during 13-14 June 2009 organized by Department of Mathematics, Sant Gadge Baba Amravati University, Amravati in technical collaboration with S. P. A. C. E., New Delhi.
45. *A workshop on Pure Physics Curricula in Contemporary Universities: Challenges and Innovations & Convention of Physics Teachers* Jointly organized by Vidya Bharati Mahavidyalaya, Camp, Amravati and Amravati University Physics Teachers' Association (AUPTA) on April 26, 2009 at Bharati Mahavidyalaya, Camp, Amravati.
46. *Workshop on National Overseas Scholarship for SC etc* organized by Ministry of Social Justice and Empowerment, Government of India at New Delhi on June 23, 2006.
47. *National Conference on Luminescence and its Applications NCLA-2006*. February 7-9, 2006 organized by Department of Physics, Sant Gadge Baba Amravati University, Amravati.
48. *National Laser Symposium-2005*, December 7-10, 2005, organized by Vellore Institute of Technology, Vellore-632 014. TN.
49. *Eleventh Workshop on Neutrons as a probe of Condensed Matter* during January 27-29, 2005 organized by UGC-DAE Consortium for Scientific Research (UGC-DAE CSR) and Solid State Physics Division, BARC at Training School Hostel, Anushakti Nagar, Mumbai-400094.
50. *International Conference on Relativity ICR-2005*, January 9-12 2005, organized by Department of Mathematics, Amravati University, Amravati
51. *National Conference on Lasers and its Applications NCOLA-2004*, 28-30 January 2004, organized by Department of Physics, Amravati University, Amravati.
52. Workshop on Scope and Limitations of B.Sc.I (Physics) Syllabus held at Arts, Science and Commerce College, Chikhaldara Dist. Amravati on 17th August 2003.
53. Golden Jubilee National Laser Symposium-2003, December 22-24, 2003 held at IIT-Kharagpur.

Invited Talks/Lectures Delivered:

1. Invited Talk, International e-Conference on Recent Advances in Material Science and Nanotechnology RAMAN-2020 organised by Department of Physics, Arts, Commerce and Science College Maregaon, Dist Yavatmal during February 7-9, 2021.
2. Resource Person, National Webinar on "The Role of Physics in Environment" organized by Dept of Physics, R A College, Washim, in Association with Indian Association of Physics Teachers (RC-08) on 1st March 2021.
3. Invited lectures on 30/12/2020 in Refresher Course in Basic Sciences held during 21st

December 2020 to 02nd January 2021 organized by UGC-Human Resource Development Centre, Sant Gadge Baba Amravati University, Amravati.

4. Resource Paerson, International webinar on Recent Tresnds in Physical and Mathematical Science held on December 26, 2020 by R. Bharati Arts Commerce and S R Bharti Science College Arni, Dist Yavatmal.
5. Recourse Person, International Webinar on Recent Advances In Materials Science and Technology on June 26, 2020 organised by Department of Physics, Aditanar College of Arts and Science, Virapandiyampatnam, Tiruchendur-628215 Tamilnadu India.
6. Keynote Speaker, One Day National Level Webinar On "Recent Trends In Nanotechnology And Its Applications" Held On 17th June 2020 Being Organized By IQAC, Department Of Physics And Department Of Computer Science.
7. Invited talk on "Önlinear optical properties of nanostructure" at National Conference on Functional Materials Synthesis and Characterisation Techniques (NCFMSCT-2019) organized by Department of Physics, Vaidhyanath College, Parali-Vaijnath, Dist Beed.
8. Resource person, Refresher Course in Science entitles "Recent Innovative Trends of Nanomaterials in Chemicals, Biological and Physical Sciences" organized by Modern Collge of Arts, Science and Commerce, Pune on October 18, 2018.
9. Resource person, Skill Development Program organized by Sant Gadge Baba Amravati University, Amravati on September 24, 2018.
10. Invited lecture in Teacher Coordinator Workshop "Ävishkaar-2018"organized by Yashwantrao Chavhan College, Magrulpir Dist Washim on September 08, 2018.
11. Invited Talk on "Synthesis and Nonlinear Optical Properties of Nanostructures" at National Conference on Recent Development in Science organized by Sant Ramdas Arts, Commerce & Science College, Ghansawangi, Dist. Jalna (M.S.) in association with Analytical Chemistry Teachers and Researchers Association, Aurangabad on January 21, 2018.
12. Lecture on "Nonlinear Optics" delivered in Refresher Course in Physics at UGC-Human Resource Development Center, Sant Gadge Baba Amravati University, Amravati on July 26, 2017.
13. Lecture on "Crystal Growth" delivered at Department of Physics, GS Tompe Arts, Commerce & Science College, Chandur Bajar, Dist. Amravati-444 704 on August 20, 2016.
14. Lecture on "Error Analysis" delivered in Short Term Course in Research Methodology at UGC-Human Resource Development Center, Sant Gadge Baba Amravati University, Amravati on October 08, 2015.
15. Invited Talk on "Investigations of third order nonlinear optical properties of nanocomposite thin films by Z-scan technique" at National Conference on Material Science and Technology organized by Milliya Arts, Science & Management Science College, Beed (M.S.) on December, 23th and 24th, 2014.
16. Lecture on "Nonlinear Optics" delivered in Refresher course in Basic Science at UGC-

Academic Staff College, Sant Gadge Baba Amravati University, Amravati on November 06, 2014.

17. Invited talk on "Nonlinear optics and Nonlinear Optical Crystals" at National Conference on Upcoming Trends in Chemical Science UTCS-2013 organized by Department of Chemistry, Shri Anand College of Science, Pathardi, Dist. Ahmednagar, during September 6-7, 2013.
18. Lecture delivered on the subject "Nonlinear Optics" at R. A. College Washim on February 20, 2013.
19. Lecture delivered on the subject "Preparation of SET/NET/GATE etc examinations" at Department of Physics, Dr. Babasaheb Ambedkar Marathwada University Aurangabad on February 27, 2012 on the occasion of NSD-2012.
20. Lecture delivered on the subject "Entering the world of Quantum Mechanics" at R. A. College Washim on December 22, 2007.

Sessions chaired and evaluator in conferences/workshops/seminar/courses etc:

1. Chairperson, National e-Conference on Advanced Reserach in Materials Science on February 22 & 23, 2021 organised by Department of Physics, Kamraj College-628003, Thoothukudi, Tamilnadu
2. Chairperson, First Plenary Session of One Day National e-Conference held on 16th of June 2020 by Smt Radhabai Sarda Arts, Commerce & Science College Anjangaon Surji- 444705, Dist- Amravati (Maharashtra)
3. Chairperson, Dr APJ Abdul Kalam National Virtual Lecture Series"organised by Deoartment of Physics, Arts, Commerce and Science College Mareeon, Dist Yavtmal during October 27-29, 2020.
4. Chief Guest, Valedictory Function of National Level Webinar on Recent Advances in Nanomaterials-2020 held on December 05, 2020 by Arts Science and Commerce College Chikhaldara Dist Amravati
5. Chairman, International Conference on Advances in Physicsl, Chemical and Mathematical Sciences (ICAPCM-2020) organized by RSTM Nagpur University, Nagpur during February 13-16, 2020.
6. Jury for the Inter-Collegiate Research Convention "Avishkar-2019" of Sant Gadge Baba Amravati University, Amravati hosted by MSP Arts, Science and KPT Comm College, Manora Dist. Washim January 09, 2020
7. Co-chairperson, UGC Sponsored national conference on Emerging Trends in Science" NCETS-2019 organized by Vidyabharati Mahavidyalaya Amravati MS India on February 1-2, 2019
8. Jury on Poster Presentation Evaluation at International Conference on Recent Trends in Science & Technology ICRTST 2018 organized by SSSKR Innani Mahavidyalaya, Karanja Lad, Dist. Washim MS India on March 22-23, 2018
9. Assessed Seminars on July 27, 2017 in UGC sponsored Refresher Course in Physics held during July 10-29, 2017 by UGC-HRDC, Sant Gadge Baba Amravati University, Amravati.
10. Jury for the Inter-Collegiate Research Convention "Avishkar-2017" of Sant Gadge Baba Amravati University, Amravati hosted by Yashvantrao Chavhan Arts & Science Mahavidyalaya Magrulpir, Dist. Washim on December 13, 2017.
11. Chairman, Technical Session, National Conference on Material Science and Technology organized by Milliia Arts, Science & Management Science College, Beed (M.S.) on December, 23th and 24th, 2014.

12. Chairman, Technical session, National Conference on Recent Trends in Chemical Education organized by P.G. Department of Chemistry, Sir, Sayyed College, Aurangabad during December 13-14, 2013.
13. Co-Chairman, Oral Presentation, *International Conference on Nanotechnology (ICNT-2013)* during 25 -26 October, 2013. Organized by Haldia Regional Centre, Indian Institute of Chemical Engineers, Dept. of Chemical Engineering, Haldia Institute of Technology, ICARE Complex, Hatiberia – 721657, Haldia, West Bengal.
14. Chairman, Technical session, National Conference on Upcoming Trends in Chemical Science UTCS-2013 organized by Department of Chemistry, Shri Anand College of Science, Pathardi, Dist. Ahmednagar, during September 6-7, 2013.
15. Chairman, Oral Presentation, National Conference on Recent Trends in Physics NC RTP-2012, organized by Department of Physics, Mungsaji Mahavidyalaya Darwha, Dist. Yavatmal MS during October 26-27, 2012.

Memberships: Conferences, workshops, etc.

1. Member, Local Organizing Committee, NCRAM-2016.
2. Member, Advisory Committee, NCRTSM-2014.
3. Member, National Advisory Committee, UTCS-2013.
4. Member, Regional Advisory Committee, UGC Sponsored National Seminar on "CHEMI-PHYSICS", February, 28, 2010, Organized by Department of Chemistry and material science, Shri R. R. Lahoti Science College, Morshi, Dist. Amravati.

Memberships of Professional Organizations

1. Editorial Board Member, International Journal of Applied Physics (IJAP).
2. Editorial Board Member, Science and Technology, Scientific & Academic Publishing USA, from October 10, 2011-October 09, 2013.
3. Member, Amravati University Teachers Association.
4. Member, Indian Physical Society.
5. Member, The Minerals, Metals & Materials Society (TMS) (Membership no.: 503093).