



CURRICULUM VITAE

NAME :-**Dr. (Mrs) Aparna Bapuji Dhote**

Dessignation :- **Head, Dept. of Chemistry**
Husband's Name :- Shri. Bapuji H. Dhote

Correspondence Address :- c/o Chandrakant Deshpande Savarkar
Chouk, Bhadrawati

Permanent Address :- C/o Shri. B.H. Dhote

C-5,J.k. Homes, Gurudwara Road ,

Tukum, Chandrapur(m.s.)-442401

Date of Birth :- 19/08/1971
Nineteenth August Seventy One

Maritual Status :- Married

Sex :- Female

Nationality :- Indian

Religion :- Hindu

Caste (sub caste) :- Kunbi

Language known :- English ,Hindi ,Marathi

Email id. :- dhotea@rocketmail.com

Education Qualification:-

Exam Passed	Year of Passing	Board / University	Percentage %	Division
S.S.C.	Mar-1986	Nagpur divisional , Board Nagpur.	74.00%	I
H.S.C.	Mar-1988	Nagpur Board Nagpur.	76.00%	Distitinction
B.Sc.	Mar-1991	Nagpur university, Nagpur	74.00%	I
M.Sc. (chemistry)	Mar-1993	NagpurUniversity, Nagpur	66.66%	I
B.Ed	Mar-1994	Nagpur	74.40%	I (First Merit)
M.Phil	May-2008	AlagappaUniversity Karaikudi	62.00%	I
Ph. D.	Dec. 2014	Sant Gadge Baba Amaravati University Amaravati		Awarded

Teaching experience :-

- 1) Twenty Seven years for U.G..
- 2) Twelve years for P.G.
- 3)

AWARDS:-

- 1) “Sou Umabai & Shri Janardhan Amrut Mohai/ memorial **Gold Medal** “ for obtaining the highest % Mark in subject Chemistry at 79th Convocation, Nagpur.
- 2) “Sou Lina Karbelkar prize” for obtaining the highest % Mark in subject Chemistry at 79th Convocation.
- 3) “Late Vinoba Bhave Gold Medal” for **First Merit** in B.Ed at Nagpur University in 1994.
- 4) “Smt. Annapurnasai Bajaj pant swan silver medal “for **First Merit** in B.Ed at Nagpur University in 1994.
- 5) “Cash prize of Rs.3000/-” In Sardar Patel College.Chandrapu for **First Merit** in B.Ed at Nagpur University in 1994.

Honors/Awards

- 1) National Level '**SHIKSHA RATNA**' award at Pune 2015 ,23rd May 2015
- 2) IARDO Award for **Outstanding EDUCATOR-2018** ,28th October 2018
- 3) **Dr. ABJ ABDUL KALAM** Award for Teaching Excellence-2018 18th October 2018
- 4) VDGGOOD Technology Factory "**Women Researcher**" Award 04th and 05th July 2020.
- 5) State level **Mahila Kartutvavan Nariratna Gourav Purskar 2020** .
- 6) **Women Researcher** Award 17th October 2020 by RSRI Society.
- 7) Best Researcher Award , 24th April 2022 ,Research Education Solution
- 8) Best HOD Award, 24th April 2022 ,Research Education Solution
- 9) Best Teacher Award , Gondwana University, Gadchiroli, 2022
- 10) Best Academici Researcher , 1-2nd July 2022 ,Sidvi foundation , AP.

Members of Prestigious Organisation :-

- Working Chairman** of Board of Studies in Chemistry of Gondwana University, Gadchiroli.
- Member of **Board of Studies in Chemistry** of Gondwana University, Gadchiroli.
- Life member of Ultrasonic Society of India.
- Editorial Board Member of the journal The journal of Natural Science, Kekri Ajmer (Rajsthan)
- Editor of the Journal Sunrise Multidisciplinary Research Journal Special Issue NSF2014.
- Associate Editor of Int. Res. J. Of Science & Technology, ISSN 2322-0015,
- Gold membership of International Association of Research and Developed Organization (IARDO)
- Senior Member in Pharmacy Division by REST Society.
- Reviewer for IJRAR Member ID is: 116717
- Editor of Conference Proceeding , ISBN 978-93-91535-18-6
- Editor of Conference Proceeding , ISBN978-93-91535-17-9

Faculty Development:-

Refresher courses –

Oct .11 -31 ,2010 ,. A.S.C.R.T.M .N.U. Nagpur (M.S.)

Jan.17 toFeb.06,2007, A.S.C.R.T.M .N.U. Nagpur,(M.S.)

Oct 18 toNov.07,2004, A.S.C.R.T.M .N.U. Nagpur,(M.S.)

Orientation course-

Oct.01-28,2005, A.S.C.R.T.M .N.U. Nagpur,(M.S.)

Short Term Courses:

- ❖ Academic Staff College, Lucknow, 18-23 November 2013
- ❖ Academic Staff College, Bilaspur , 4-09 November 2019
- ❖ Academic Staff College, Gujarat (online), 28May -3 June 2020
- ❖ Faculty Development Programme :NPTEL-AICTE July-September 2022, 08 Weeks
- ❖ Faculty Development Programme , NPTEL-AICTE ,Jan-Apr-2021, 12Weeks
- ❖ Faculty Induction Programme Ramanujan College, University of Delhi under the aegis of Ministry of Education , 23April-22nd May 2023
- ❖ Faculty Development Programme , NPTEL-AICTE,Hja-April 2023 , 12 weeks
- ❖ Refresher Course Ramanujan College, University of Delhi under the aegis of Ministry of Education , 30th June-14th July 2023
- ❖ Seven Days NPTEL Soft Skill Training Programme , 16th March- 22nd March 2023

Event Organized:

- Organizing one day university level work shop on Syllabus discussion of B.Sc. II of Sem III& IV on 28th July 2013.
- Organized UGC sponsored National Seminar On FUTURISTIC MATERIALS on 4th February 2014 at Nilkanthrao Shinde Science & Arts College, Bhadrawati.
- Organized National Conference on RECENT TRENDS IN MATHEMATICAL, PHYSICAL, CHEMICAL LIBRARY AND LIFE SCIENCES, on 7th Feb 2020. at Nilkanthrao Shinde Science & Arts College, Bhadrawati
- Organized International Conference on Role of Nanoparticles and Chemistry for Sustainable Development , on 1st July 2020 at Nilkanthrao Shinde Science & Arts College, Bhadrawati.
- International E- Webinar on Role of Chemical Sciences and Physical Sciences on 28th September 2021, at Nilkanthrao Shinde Science & Arts College, Bhadrawati.
- International e- Conference on Innovation and Recent Trends in Social Science, Arts and Humanities [SAH-2K22] on 30th -31th 2022 at Nilkanthrao Shinde Science & Arts College, Bhadrawati.
- International e- Conference on Innovation and Recent Trends in Science, Technology and Management [STM-2K22] on 30th -31th 2022 at Nilkanthrao Shinde Science & Arts College, Bhadrawati
- International Conference on Multidisciplinary Innovative Research and Development 2023 , international Award Ceremony Puraskar for Srujana 2023 on 1-2nd July 2023 at Nilkanthrao Shinde Science & Arts College, Bhadrawati

Resource Person:

- Key Note Speaker On the occasion of International Award Conference on Empowering Girls for a Bright Tomorrow, SNDT Women's University, Mumbai, 11th October 2020.
- State Level Workshop on New Admission Process to Ph.D. and Research Methodology Technique on 18th September 2021 at Munsaju Maharaj Mahavidyalaya Darwaha .
- At Government Vidarbha Institute of Science & Humanities Amravati 23rd September 2021.
- Chairperson for oral presentation at Arts Commerce and Science College, Maregaon on 7-9th February 2021, International E- Conference on Recent Advances in material Sciences and Nano Technology. (RAMAN-2021) ,
- Chairperson for oral presentation at R. L. T. College of Science , Akola on 24th January 2020 in National Conference on Multidisciplinary Research in Science and Technology.
- Key Note Adress in RSRI Conference on Therotical and Applied Science on 27-28th February 2022, at kaveripattinam, Krishnanagari, Tamilnadu.
- Technical Session Chair Person in National Conference on Recent Trends in Engineering, Technology & Manegement on 26-27th May 2022. Yeola
- Session Chair person in International Conference on multidisciplinary research and Innovation 7th May 2022, at lokmaya Tilak Mahavidyalaya Wani
- Guest for Honor in International Conference on Frontiers of chemical Sciences on 23-24th August 2023 at lokmaya Tilak Mahavidyalaya Wani

3) Research Development:-

- Ph.D. Supervisor: Ph. D. supervisor for Gondwana university, Gadchiroli ,Chemistry as per letter no. GUG/Ph.D.Sup.Rec./604/2017
- Supervising Four Students for Ph.D.

Reasearch Project:

- UGC - Minor Research Project (File No. 47-145/12(WRO) Qualitative Phytochemical Screening Of Some Plants Of Allapali (dist :Gadchiroli)

Forest Region For Biologically Active Constituents. for the period 2012-2014 with financial assistance of Rs75,000/-completed.

PUBLICATIONS:

I. Patents: Two Patents are published.
One Accepted

II. Books Published: 04

1. Shell's practical Chemistry B.Sc. Semester III, Shell Publication, Nagpur ISBN NO. 97661-92951162, 2013
2. Chemistry B.Sc. I Semester I. paper I (Inorganic Chemistry), Paper II (Organic Chemistry), Himalaya Publishing House, Nagpur, ISBN NO. 97893-5273-52693, 2017
3. Chemistry B.Sc. II Semester IV. paper I (Inorganic Chemistry), Paper II (Organic Chemistry), Himalaya Publishing House, Nagpur, ISBN NO. 978-93-5299-801-2, 2019
4. Chemistry B.Sc. II Semester III. paper I (Inorganic Chemistry), Paper II (Organic Chemistry), Himalaya Publishing House, Nagpur, ISBN NO. 973-93-5367-468-7, 2019

Papers Published in International / National Journals:

1. Use of ultrasonic velocity to study solute-solvent interactions of coumaran-3-Ones in polar and non polar solvents, S.S. Aswale, A.B. Dhote, R.S. Hajare, P. B. Raghuwanshi, and S. R. Aswale, **Eighteen National Symposiums on Ultrasonic** 21-23 December 09, Vellore, p.25.
2. Molecular Interaction Studies of Paracetamol by viscosity and ultrasonic velocity measurement at different temperatures, S.S. Aswale, S. R. Aswale, and A.B. Dhote, **Golden Research Thoughts**, [ISSN NO: 2231-5063], 2011, 1(IV), 1-4
3. Ultrasonic Investigation of Molecular Interaction in Paracetamol Solution at Different Concentrations, S.S. Aswale, A.B. Dhote, S. R. Aswale, D. T. Tayade, **Journal of Chemical and Pharmaceutical Research** [ISSNNO: 09757384, CODEN (USA): JCPRC], 2011, 3(6), 233-237.
4. Evaluation of ultrasonic parameters of aqueous solution of dichlofenac sodium, Sunanda S. Aswale, Shashikant R. Aswale, Aparna B. Dhote, **Scientific reviews and Chemical Communication**, ISSN 2277-2669, 2012, 2(3), 510-513,.
5. Relative association and free volume to study molecular interaction in dichlofenac sodium in aqueous solution, Sunanda S. Aswale, Shashikant R. Aswale, Aparna B. Dhote, **Scholars Research Library, European Journal of Applied Engineering and Scientific Research**, ISSN: 2278 – 0041. 2012, 1(2), 73-79,
6. Non destructive evaluation of dichlofenac sodium by ultrasonic technique, Aparna Dhote, Sunanda Aswale and Shashikant Aswale, **Pelagia Research Library Advances in Applied Science Research**, ISSN: 0976-8610. 2012, 3 (4): 2299-2302,
7. Ultrasonic studies of aspirin by relative association, relaxation time and free volume, Sunanda S. Aswale, Shashikant R. Aswale, Aparna B. Dhote, **International Journal of Pharmacy and Pharmaceutical Science**, ISSN- 0975-1491, 2012, 4(4), 240-243,

8. Evaluation of free volume, relaxation time of aqueous solution of Paracetamol by ultrasonic studies, Aswale Sunanda S., Aswale Shashikant R., Dhote Aparna B., **International Journal of Research in Chemistry and Environment**, ISSN 2248-9649 ,2012, 2(4), 154- 158,.
9. Role of ultrasonic waves to study molecular interactions in aqueous solution of dichlofenac sodium, S. S. Aswale, S. R. Aswale, A.B.Dhote, **CHEMISTRY: BULGARIAN JOURNAL OF SCIENCE EDUCATION**, ISSN 0861-9255. 2012, 21(5), 684-692,
10. India's first Prime Minister Pandit Jawaharlal Nehru ,A. B. Dhote, Proceeding of **National seminar on Pt. JawaharlalNehru,His Legacy And Modern India at N. S. Sc. & Arts college, Bhadrawati**, 28th march 2011.
11. Acoustic features of aqueous paracetamol Solution at different temperatures, A.B. Dhote, S.R.Aswale, and S.S.Aswale, **Proceeding of National Conference on Research Researchers in Chemistry, A Journey Towards Social Upliftment**, [ISBN-978-81-905776-12-11], Wani,14-15 February, 2012, p.p-8, pp35.
12. Pandit Jawaharlal Nehru and Forgeion Policy, Aparna B. Dhote and Rajesh S, Hajare, Proceeding of one day **National workshop on Relevance of PT. NEHRU'S FOREGION POLICY IN 21ST CENTURY**, Bhadrawati,28th March 2013, 57-60.
13. Study of moleculer interaction of aqueous solution of Ceftriaxone sodium at different temperature by ultrasonic technique, Aswale S. S., Hajare R. S., Aswale S. R. and Dhote A. B., **National Conference on Recent Trends in Material Preparation and Characterisation, Akot**, 115 ,2014.
14. Assay Method of Active Pharmaceutical Ingredient Entacapone by High Performance Liquid Chromatographic Technique, Shashikant Aswale, Sunanda Aswale, Sachin Zade, Padma There, Rajesh Hajare and Aparna Dhote, **International Journal of Scientific & Engineering Research**, ISSN 2229-5518 5 (2), February-2014 462-466.
15. Study of Molecular Interaction of Antibiotic drug Ampicillin Sodium at Different Temperatures by Ultrasonic Interferometry, Rajesh S. Hajare, Aparna B. Dhote, Sunanda S. Aswale and Shashikant R. Aswale, **Sunrise Multidisciplinary Research Journal**, ISSN 2319-8214, 4(2),,2014, 5-10.
16. Acoustic Study of Aqueous Solution of 0.001M Paracetamol at Different Temperatures and at 4MHz, Aparna B. Dhote, Rajesh S. Hajare, Sunanda S. Aswale, Shashikant R. Aswale, **Sunrise Multidisciplinary Research Journal**, ISSN 2319-8214, 4(2),2014, 1-4.
17. Molecular Interaction of Aqueous Solution of Paracetamol at 2MHz And at Different Temperatures, Aparna B. Dhote, Rajesh S. Hajare, Sunanda S. Aswale, Shashikant R. Aswale, **International Journal of Researches In Biosciences, Agriculture & Technology**, 2347-517X, 224-228.
18. Ultrasonic velocity and Free Length of aqueous Solution of Aspirin" Sunanda S. Aswale¹, Shashikant R. Aswale², Aparna B. Dhote, **International Journal of Science and Research (IJSR)ISSN (Online): 2319-7064, Impact Factor (2013): 4.438**
19. Alokik Dhamm, Vilas Petkar, Aparna Dhote, Rajesh Hajare, **Proceeding of International conference on Vision 2056,Chandrapur,2014, ISBN 978-93-84198565**
20. India's First Priminister----Pandit Nehru, A. B. Dhote, **Proceeding of seminar on Pt. Jawaharlal Nehru his Legacy & Modern India,28th March 2011**

21. Ultrasonic velocity and free length of dichlofenac sodium at different temperatures”Sunanda S. Aswale, Aparna B. Dhote, Shashikant R. Aswale, **Journal of Advances in Science & Technology, Journal of Advances in Science and Technology (ISSN No. 0971-9563) Vol 14 (2), December 2014, pp. 251-254**
22. Ultrasonic studies of molecular interactions in the solution of antipyretic drugs at 6MHz and at 303.15K **Gurukul International Multidisciplinary Research journal (ISSN No. 2394-8426)** , Aparna B. Dhote, , Sunanda S. Aswale, Shashikant R. Aswale, Rajesh S. Hajare, 2016, pp 103-105
23. Phytochemical screening of leaves of Artocapus Integra tree, **International Journal of Pure And Applied Research In Engineering And Technology, A.B. Dhote, May 2016, 4(9), (ISSN No. 2319-507X), 71-76**
24. Molecular interaction of aqueous solution of Ceftriaxonesodium and Ampicillin sodium by ultrasonic interferometry-A comparative study, **Gurukul International Multidisciplinary Research journal (ISSN No. 2394-8426)** Rajesh S. Hajare, Shashikant R. Aswale, Sunanda S. Aswale and Aparna B. Dhote ,pp 115-119, 2016
25. Acoustic Studies of Paracetamol and Dichlofenac Sodium At 2MHz and at 303.15K, **International Journal of Engineering Research and Technology (IJERT), ISSSN(2278-0181)** , Aparna B. Dhote, Sunanda S. Aswale and Shashikant R. Aswale, Pp8-10, Nov 2016.
26. Acoustic parameters of Streptomycin solution at different concentration, **International Journal of Advance Research in Science and Engineering, ISSN (2456-1364), A. B. Dhote, G. R. Bedare, 2(3), pp-548-550, April 2017. Impact Factor -2.870**
27. Study of molecular interaction of Streptomycin drug at 303K temperature and 2MHz, **International Journal Science ,Engineering anManegement,(IJSEM) ISSN (2319-8354), A. B. Dhote, G. R. Bedare, 2(3), pp 52-54, March 2017.**
28. Study of acoustic and thermodynamic property of aqueous solution of ceftriaxone sodium and ampicillin sodium by ultrasonic interferometry- a comparative study Rajesh S. Hajare AND Aparna B. Dhote, **BIONANO FRONTIER NCMAM-2017 Print ISSN 0974-0678, Online : 2320-9593.**
29. Effect of solvent on acoustic parameters of extract of Brayophallum leaf ,A. B. Dhote, G. R. Bedare and S. B. Rewatkar, International Conference on Advances in Chemical Sciences and Allied fields of Science, Health, Education and Environment at Carrier College, Bhopal on Dated 8-10th March 2018. **International Journal of Recent Trends in Science and Technology, P-ISSN 2277-2812 E-ISSN 2249-8109 Special Issue, ACAEE: 2018 pp 34-36(SJIF Impact Factor 4.15)**
30. Effect of temperature on molecular interaction of extract of Brayophallum leaves, G. R. Bedare and A. B. Dhote, **International Journal of Life Sciences, March 2018, Special Issue A 12: March 2018:55-57 UGC Approved Journal No. 48951 (SJIF Impact Factor 4.23)**
31. Ultrasonic Study of Brayophallum Leaves at 303K and 2MHZ Frequency A. B. Dhote, G. R. Bedare and S. S. Aswale, International Conference on Recent Trends in Science and Technology at S.S.S.K.R. Innani College, Karanja (Lad) on Dated 22 - 23rd March 2018, **Aayushi International Interdisciplinary Research Journal (AIIRJ) Special Issue 25 P No. 552. ISSN 2349-638X. (Impact Factor 4.574)**
32. Acoustic parameters of pantoprazole solution at different concentration A. B. Dhote, G. R. Bedare, **INTERNATIONAL JOURNAL OF CURRENT ENGINEERING**

AND SCIENTIFIC RESEARCH (IJCESR) ISSN (PRINT): 2393-8374, (ONLINE): 2394-0697, 6(1), 2019,216

- 33 Ultrasonic Analysis on Molecular Interactions in Pantoprazole Sodium Solution at Different Concentration, A. B. Dhote, G. R. Bedare, **RESEARCH JOURNEY' International E- Research Journal Special Issue 110 (B) : Chemistry** ISSN :2348-7143 February -2019, 37-39.
- 34 Behavior of Aqueous Solution of Rabeprazole Sodium, Pantoprazole Sodium and Omeprazole Sodium at Different Temperatures., A.B. Dhote and G. R. Bedare, **IOSR Journal of Engineering (IOSRJEN)**, ISSN (e): 2250-3021, ISSN (p): 2278-8719 PP 01-02
- 35 Comparative Studies of Aqueous Solution Some Anta Acids at Different Concentration And at 4MHz Frequency G. R. Bedare, A.B. Dhote **IOSR Journal of Engineering (IOSRJEN)** ISSN (e): 2250-3021, ISSN (p): 2278-8719 PP 15-17
- 36 Acoustic Parameters Of Pantoprazole Solution At Different Concentration. B. Dhote G. R. Bedare, **INTERNATIONAL JOURNAL OF CURRENT ENGINEERING AND SCIENTIFIC RESEARCH (IJCESR)** ISSN (PRINT): 2393-8374, (ONLINE): 2394-0697, VOLUME-6, ISSUE-1, 2019.
- 37 Comparative Studies Of Aqueous Solution Of Anta Acid By Ultrasonic Interferometry At 2 MHz, A.B. Dhote and G. R. Bedare, **Proceeding Of The International Conference Ultrasonic And Material Science For Advanced Technology 16-18 November 2019.**
- 38 Acoustic Study In Aqueous Solution Of Pantoprazole at Different Concentration, A.B. Dhote and G. R. Bedare, **IOSR Journal Of Engineering** Dec 2019, ISSN 2250-3021 Pp. 54-56.
- 39 Ultrasonic Velocity, Density Of Piperacillin And Tazobactam Solution At 298.5k A.B. Dhote and G. R. Bedare, **Int. Res. J. Of Science & Technology** FEB 2020, Issn 2322-0015, Pp, 238-242.
- 40 Study Of Acoustic Parameters Of Rabeprazole Sodium In Different Solvents at 298.15k A.B. Dhote, **Int. Res. J. Of Science & Technology** FEB 2020, Issn 2322-0015 860-863
- 41 Comparative Studies Of Dichlofenac Sodium and (Paracetamol+ Dichlofenac Sodium) Ultrasonically At 303.15k A.B. Dhote, Sunanda Aswale, Shashikant Aswale, **Int. Res. J. Of Science & Technology**, FEB 2020, ISSN 2322-0015, 864-868
- 42 Relative Association, Free Volume Of Piperacillin And Tazobactam Solution AT 298.15K., A.B. Dhote and G. R. Bedare **Sustainable Humanosphere** ISSN 1880-6503 March 2020 16(1), pp 2090-2094
- 43 Acoustic Behaviour of Binary Mixture at 308k And At 3mhz Frequency G. R. Bedare, A. B. Dhote, **Journal of Information and Computational Science** ISSN: 1548-7741, September 2020, pp 20-24
44. Acoustical properties of binary mixtures at 298K and at 2MHz Frequency, G. R. Bedare, A. B. Dhote, **International Journal of Scientific research and Technology**, ISSN: 2395-602X, 8(1), 2021.

- 45.**Effect of temperature on molecular interaction in Rabeprazole Sodium in different solvent, Aparna b. Dhote, Gajendra R. Bedare , International journal ofinterdisciplinary innovative research & Development (IJIIRD), ISSN: 2456-236X, 5(1), 2020
- 46.**Acoustic Behaviour Of Binary Mixture At 308k And At 3mhz Frequency, G. R. Bedare , A. B. Dhote Journal of Information and Computational Science ISSN: 1548-7741, 2020
- 47.**Acoustical Properties of Binary Mixture at 298k and at 2 MHz Frequency, G. R. Bedare, A. B. Dhote, International Journal of Scientific Research in Science and Technology Print ISSN: 2395-6011 | Online ISSN: 2395-602X (www.ijsrst.com) 2021 | IJSRST | Volume 8 (1)
- 48.**Ultrasonic Velocity and Jones-Dole Equation B Coefficients for Aqueous Solution of Piperacillin and Tazobactam at Different Temperatures, A.B. Dhote, G. R. Bedare, K. P. Jumde, International Journal of Scientific Research in Science and Technology ,9(6) , ISSN: 2395-6011 | Online ISSN: 2395- 602X (www.ijsrst.com)
- 49.** Ultrasonic Velocity and Jones-Dole Equation B Coefficients for Rabeprazole Sodium Different Temperatures, A. B. Dhote, S.S. Aswale, G. R. Bedare, S. H. Shrirame, GALAXY LINK ,X(II) ,2022 ISSN No.2319-8508, pp 1-4.
- 50.** Molecular Interaction in aqueous solution of Doxycycline at Different Temperatures, A. B. Dhote, S. H. Shrirame, International Journal of Science, Technology and Manegement, 11(8),2022, 60-63
- 51.** The Pharmacokinetic Study f [Dmpmdc] Drug, K.P. Jumde, D.T.Tayade, A. B. Dhote, International Journal of Science, Technology and Manegement, 11(8),2022, 47-4.
- 52.** Molecular Interactionin Of Sodium Salt In Different Solvents At Different Concentrations S. P. Burad and A. B. Dhote,INTERNATIONAL JOURNAL OF RESEARCHES IN BIOSCIENCES, AGRICULTURE AND TECHNOLOGY,I J R B A T, Issue (XI) Vol (I) Jan 2023: 251-253
- 53.** Molecular Investigation In Aqueous Solution Of Doxycycline At Different Concentrations And Temperatures By Ultrasonically S. H. Shrirame, A. B. Dhote and K. P. Jumade INTERNATIONAL JOURNAL OF RESEARCHES IN BIOSCIENCES, AGRICULTURE AND TECHNOLOGY,I J R B A T, Issue (XI) Vol (I) Jan 2023: 304-308 .
- 54.** Molecular Investigation In Aqueous Solution Of Doxycycline At Different Concentrations And Temperatures By Ultrasonically International Journal Of Researches In Biosciences, Agriculture And Technology Issue (Xi) Vol (I) Jan 2023

55. Green Synthesis And Pharmacological Potential Of Curcumin Journal of Pharmaceutical Negative Results | Volume 13 | Special Issue 10 | 2022

56 Bioengineering For A Greener World: The Promise Of Biotechnology, Eur. Chem. Bull. 2023,12(Special issue 12), 550-558.

IV Papers presented in Conferences:

1. Use of ultrasonic velocity to study solute-solvent interactions of coumaran-3-ones in polar and non Polar solvents, S.S.Aswale, A.B. Dhote, R.S. Hajare, P. B. Raghuwanshi, and S. R. Aswale, Eighteen national symposium on ultrasonic 21-23,December 09, Vellore, p.25.
2. Study of molecular interaction of aqueous solution of Cefotaxime antibiotic drugs at 303.15K at different concentration, S.S.Aswale, S. R. Aswale, R.S. Hajare, A.B. Dhote, B. S. Ramteke, National Symposium on Advanced and Current Developments in chemical research, Jaipur, 26-27 Mar.2011, p.p.113.
3. Acoustic and thermodynamic studies of 0.1M paracetamol at various temperatures, A.B. Dhote, S.R.Aswale, and S.S.Aswale, National Conference on Emerging Trends in Chemistry-Biology Interface, Nainital,3-5 November, 2011,p.p-109, pp50.
4. Thermo acoustic properties of Cefotaxime sodium at different concentrations, Shashikant Aswale, Sunanda Aswale, Rajesh Hajare, Aparna Dhote, National conference on innovative Research Trends in Biological Science, Akola, 8-9 September,2012, pp 670.
5. Ultrasonic velocity and adiabatic compressibility of Dichlofenac sodium at different thermal conditions”, Sunanda S. Aswale, Shashikant R. Aswale, Aparna B. Dhote, National Seminar on Materials Characterization by Ultrasonic, Delhi, 3-4 April,2012, p.p. 04, pp 45.
6. Evaluation of ultrasonic parameters of aqueous solution of Dichlofenac Sodium Sunanda S. Aswale, Shashikant R. Aswale, Aparna B. Dhote, National Conference of Basic Sciences in Emerging Industrial Scenario, Badnera, 8April, 2012, CUC-01, pp15.
7. Thermo acoustic properties of Cefotaxime sodium at different concentrations, Shashikant Aswale, Sunanda Aswale, Rajesh Hajare, Aparna Dhote, Innovative Research Trends in Biological Science, Akola, 8-9 September,2012, pp 670.
8. Medicinal application of ultrasonic to study molecular interaction, Sunanda S.Aswale, Aparna B. Dhote, Shashikant R. Aswale, Rajesh S. Hajare, XIX National Symposium on Ultrasonic, Delhi, 28-30 october,2012,p.p 35,pp48.
9. Ultrasonic velocity, Internal Pressure of aqueous Solution of Paracetamol, Sunanda S. Aswale, Shashikant R. Aswale, Aparna B. Dhote, RajeshS. Hajare, International Conference on Agriculture, Veterinary & Life - 2014 , 24-25 January 2014 Vijayawada, Andhra Pradesh, India .
10. Ultrasonic velocity and free length of dichlofenac sodium at different temperatures” Sunanda S.Aswale, Aparna B. Dhote, Shashikant R.Aswale, International conference on GOLD CT 2014, 6-8 February 2014, Jalgaon.

11. Study of molecular interaction of aqueous solution of Cefotaxime sodium by internal pressure and Gibbs free energy, Sunanda S. Aswale, Shashikant R. Aswale, Rajesh S. Hajare, Aparna B. Dhote, National conference on Ecologically sustainable development and limitations of growth: future prospects and challenge, 22-23 April, 2014
12. Ultrasonic velocity and free length of aqueous solution of Aspirin, Sunanda S. Aswale, Shashikant R. Aswale, Aparna B. Dhote, Rajesh S. Hajare, International Symposium on Ultrasonics - Focal theme: Ultrasound in biomedical and industrial applications, 22-24th Jan' 2015, Nagpur.
13. Molecular interaction studies in aqueous solution of Ceftriaxone Sodium by internal pressure, S. S. Aswale, S. R. Aswale, A. B. Dhote, R. S. Hajare, International conference on Futuristic Materials and Emerging Trends in Forensic and Life Sciences, 5-7th February 2014.
14. Need of Awareness of Today's Problem on Water Pollution, A. B. Dhote, International Conference on Engineering & Applied Science, Nagpur 22-23-January, 2016.
15. Comparative Study of Acoustic Parameters of paracetamol and Dichlofenac, National conference on Science Scenario & Challenges, A. B. Dhote S. S. Aswale, S. R. Aswale, Amravati, 29-30-January, 2016.
16. Molecular Interaction of Aqueous Solution of Paracetamol at 2MHz And at Different Temperatures, Aparna B. Dhote, Rajesh S. Hajare, Sunanda S. Aswale, Shashikant R. Aswale, National Seminar at Chandrapur, 16th February, 2015.
17. Phytochemical screening of leaves of Artocarpus Integra tree, A.B. Dhote 4th International conference on emerging trends & research in engineering, technology & science, Amravati, March 2016
18. Ultrasonic studies of molecular interactions in the solution of antipyretic drugs at 6MHz and at 303.15K, Aparna B. Dhote, Sunanda S. Aswale, Shashikant R. Aswale, Rajesh S. Hajare, National seminar on Recent trends in life science and material sciences, Ghodazari, March 2016.
19. Acoustic Studies of paracetamol and Dichlofenac sodium at 2MHz and at 303.15K, Aparna B. Dhote, Sunanda S. Aswale, Shashikant R. Aswale, 5th International conference on quality upgradation in engineering, science and technology, Wardha, April 2016.
20. Role of metals in our nutrition Aparna B. Dhote, Sixth international conference on metals in genetics chemical biology and therapeutics, Indian Institute of Science, Bangalore. February 2016.
21. Acoustic parameters of Streptomycin solution at different concentration, International Journal of Advance Research in Science and Engineering, ISSN (2319-8354), A. B. Dhote, G. R. Bedare, 6(4), pp-548-550, April 2017.
22. Effect of concentration on acoustical parameters of aqueous aspirin solution, A.B. Dhote, R. S. Hajare, S.S. Aswale and S. R. Aswale, National Conference on Multifunctional Advanced Materials, March, 2017
23. Study of Molecular Interaction of Streptomycin Drug at 303 K temperature and 2 MHz, A. B. Dhote and G. R. Bedare, International conference on innovations and development of future smart cities (ICIDSC-17)
24. Effect of Solvent on Acoustic parameters of Extract of Brayophyllum Leaf, A. B. Dhote, G. R. Bedare and S. B. Rewatkar, International conference on Advances

- In Chemical Sciences And Allied Fields Of Sciences, Health, Education & environment, 8-10 March 2018, Bhopal
25. Ultrasonic Study of Brayophallum Leaves at 303K and 2MHZ Frequency, A. B. Dhote, G. R. Bedare and S. S. Aswale, International conference on Recent Trends in Science and Technology, 22-23 March 2018, Karanja (Lad).
 26. Acoustic parameters of pantoprazole solution at different concentration A. B. Dhote, G. R. Bedare, International Conference At Kamal Nehru , Nagpur, October 2018
 27. Ultrasonic Analysis on Molecular Interactions in Pantoprazole Sodium Solution at Different Concentration, A. B. Dhote, G. R. Bedare, national Conference At Amravati February 2019.
 28. Effect of temperature on thermo acoustic properties of aqueous solution of streptomycin solution, A. B. Dhote and G. R. Bedare, National Conference on 'Emerging Trends in Engineering, Science & Technology', at Sai Engineering College, Bhadrawati on Dated 22nd Feb. 2019, Conference Proceeding pp. 134.
 29. Ultrasonic Study Of Pantoprazole Sodium Solution At Different Concentration, A. B. Dhote and G. R. Bedare , International Conference on 'Green Energy for Sustainable Development-2019' (ICGESD-19) on 26th and 27th February 2019 jointly organized by Government Polytechnic, Nagpur and Maharashtra State of Board of Technical Education, Mumbai, Conference Proceeding pp.8
 30. Comparative Studies of Aqueous Solution Some Anta Acids at Different Concentration And at 4MHz Frequency, G. R. Bedare and A. B. Dhote, 5th International Conference on Innovation and Research in Engineering, Science & Technology (ICIREST-19) held at Tulsiramji Gaikwad - Patil College of Engineering and Technology, Nagpur on Dated 22nd – 23rd March 2019
 31. Acoustic behavior of aqueous solution of Rabaprazole Sodium, Pantoprazole Sodium and Omeprazole Sodium at different temperatures, A. B. Dhote and G. R. Bedare , 5th International Conference on Innovation and Research in Engineering, Science & Technology (ICIREST-19) held at Tulsiramji Gaikwad - Patil College of Engineering and Technology, Nagpur on Dated 22nd – 23rd March 2019.
 32. Acoustic Study In Aqueous Solution Of Pantoprazole at Different Concentration , A. B. Dhote and G. R. Bedare International Conference on Manegement Practices Innovations and Research, Tulsiram Gaikwad Engineering college, Nagpur On 20-21 Dec 2019.
 33. S. H. Shrirame and A. B. Dhote , National Conference on Recent Trends in Mathematical Physical , Chemical , library and Life Sciences, N. S. Sc. & arts college, Bhadrawati on 7th Feb 2020.
 34. A, B. Dhote, G. R. Bedare, 4th International conference on new horizons in science, engineering and management and humanities , Delhi on 27th March 2020 online.
 35. A, B. Dhote, G. R. Bedare 3rd International Online Multidisciplinary Research Conference (IOMRC-2020) , Osmania University Centre for International Program, Osmania University Campus, Hyderabad (India), 11th September 2020 online.

- 36.** Ultrasonic investigation of salts of potassium in Water-alcohol at 308K. A. B. Dhote, S. H. Burad International e- Conference on Innovation and Recent Trends in Science, Technology and Management [STM-2K22] on 30th -31th 2022 at Nilkanthrao Shinde Science & Arts College, Bhadrawati
- 37.** Acoustic Study of 4-Hydroxy Benzaldehyde in Different Solvents at 303K. A. B. Dhote, J. M. Gawade International e- Conference on Innovation and Recent Trends in Science, Technology and Management [STM-2K22] on 30th -31th 2022 at Nilkanthrao Shinde Science & Arts College, Bhadrawati
- 38.** Study of extract of Catharanthus roseus plant by Viscometry, Colorimetry, Surface Tension Method” at different temperatures.
- 39.** K. P. Jumde, A. B. Dhote, A. S. Masharkar International e- Conference on Innovation and Recent Trends in Science, Technology and Management [STM-2K22] on 30th -31th 2022 at Nilkanthrao Shinde Science & Arts College, Bhadrawati

National International Seminar / Conferences Attended:-

1. National seminar on "Advanced Material "(NSAM-2004) on 1st Feb 2004 at Kamala Neharu Mahavidyalay Sakkardara Square, Nagpur
2. UGC sponsored National Conference recent Trends in Nano science on 15th Jan 2006 at Kamala Neharu Mahavidyalay, Sakkardara square ,Nagpur
3. NSAM NSBO- 07 at 12th 2007 at department of chemistry Nagpur.
4. 5th Symposium Homefuture camp on solid state & allird at 28th to 30th 2007 at department of chemistry Nagpur.
5. U.G.C sponsored national seminar on advanced material and advance techniques of analysis at S.P.college chandrapur,6-7th March 2009.
6. Eighteen National Symposium On Ultrasonics NSU-XVIII at Vello21-23rd Dec.2009.
7. National Conference Seminar onETCLR at NAACMHWSC Umrer 4th December 2009.
8. National Conference Seminar on NCRAMS 2010 at J.A.C.F.I.H. patel S.C.College Goregaon 25th Feb 2010.
9. U.G.C sponsored national seminar on Environmental Industrial and Applied Microbiology at S.P. college Chandrapur 9th Jan 2010.
10. Recent Trends In Digital Communication at N.H. College, Bramhapuri13th march 2010.
11. NationalconferenceonNanoscience&Nanotechnology ,M.G.college Armori,6Jan 2011.
12. InternationaConferenceonChemistryforMankindDepartmentofChemistry,Nagpur. 9- 11Feb2011.
13. U.G.C sponsored national seminar on NCATMSA 2011at Arvi
14. U.G.Csponsorednationalseminaronmodern concept of social,political,&economic thought of Mahatma Gandhi ,Pt. Nehru ,Dr. B. R. Ambedkar on 15 th March 2011at R.S.Bidkar College Hinganghat.
15. National symposium on advance and current developments in chemical research on 26-27th March 2011 at Jaipur
16. U.G.C sponsored national seminar on Pt.Nehru his legacy and modern India on 28th March 2011.
17. National seminar on ETCBI-2011 3-5TH November 2011 at Nianital.
18. U.G.C sponsored national seminar on materials atom to molecule on16th December 2011at Shivaji science college, Nagpur.
19. U.G.C sponsored national seminar on synthesis and characterization of
20. Therapeutic compounds by using modern technique at Gondia3rdJanuary 2012.
21. National Conference on Cleaner production for Greening industries steps to sustainability, Sardar Patel mahavidyalaya, 31st march 2012.
22. National workshop on Relivance of Pt. Nehru's policy in 21st century at N. S. Sc.&Arts college, Bhadrawati, 28th march 20112 .National Seminar on Chemistry for drug discovery current and emerging opportunities, Dhote Bandhu Science College, Gondia, 3rd Feb 2013

23. Gondwana university Gadchiroli level work shop on the Discussion of New Syllabus discussion of V& VI Sem of B.Sc. II of in Chemistry on 30th August 2013.
24. Gondwana university Gadchiroli level work shop on Chemistry syllabus , Janata Mahavidyalaya, Chandrapur, 16th August 2014.
25. National Conference on Sustainable Engineering Applications of Material Science and Physico –Chemical Innovations 26-27th February 2016.
26. National Conference on Multifunctional Advanced Materials, March, 2017, Kamala Nehru Mahavidyalaya Nagpur
27. National Conference on Multifunctional Advanced Materials, March, 2017, Kamala Nehru Mahavidyalaya Nagpur
28. International conference on Advances In Chemical Sciences And Allied Fields Of Sciences, Health, Education& environment, 8-10 March 2018, Bhopal
29. International conference on Recent Trends in Science and Technology, 22-23 March 2018, Karanja (Lad)
30. International Conference on Ultrasonic And Material Science For Advanced Technology 16-18 November 2019, Jaunpur.
31. National Training Workshop on Research Article writing and Plagiarism, 18th September 2021, Ujjain
32. International E-Conference on Sustainable and Futuristic Material, 29th-30th 2021, Nagpur
33. Online Conference on Holistic Approach to Assessment & Accreditation by NAAC, 22-23rd January 2021, Gondia
34. International Webinar on Chemistry Education, 4th -5th February 2022, Mumbai
35. Virtual International One Week FDP on Research Methodology, 2nd May-7th May 2022, Nagpur
36. International Webinar on Multidisciplinary Research IWMR-2021 , 13th March 2021 , Ballarpur
37. Internaional Webinar on Sustainable Chemistry IWSC-2021 , 18th March 2021, Homi Bhabha centre for Science Education , Mumbai
38. National Level One Week Faculty Development Programme on Research Methodology, 26th April-1st May 2021, Nagpur
39. Three Days National Online FDP on ICT Tools for Effective Teaching Learning , 8-10th June 2021, Nagpur
40. International Webinar on Chemistry Education, 4-5th February 2022, Mumbai
41. State Level Seminar on Role of IQAC in Quality Initiative in Affiliated Colleges, 23rd July 2022 , Chandrapur
42. One Week Virtual National Level Faculty Development Programm on National Education Policy , 19-25th September 2022, St. Peter's Institute of Higher Education and Research .

Extra Co-Curricular Activities :-

1. Coordinator of Internal Quality Assurance Cell
2. Chairperson for Swayam Courses.
3. Chairperson For Internal Complaint Committee.
4. Chairperson of Student Development Cell
5. Chairperson of Cultural Committee
6. Incharge of Mahila Adhyan and Sewa Kendra at N.S.Sc.& Arts college Bhadrawati.
7. President of Mahila Laingic Takrarniwaran Samiti at N.SSc. &Arts college , Bhadrawati .
8. Visited to Thakare Mahavidyalay Nagpur as a member of local Enquiry committee, Dt. Jan 2009.
9. Taking student participation in science project Avishkar at N.H. college Bramhapuri ,Dt. Dec 2008.
10. Work as a judge for student seminar held at G.N.College, Ballarpur dt.Jan 2007.
11. Chairperson of Registration committee at N.SSc & Arts college, Bhadrawati for CGTA.
12. Worked as a co.officer for RTMNU,Nagpur at Rajiv Gandhi Engg. & Technology College,Chandrapur 2004.
13. Paper setter of B.Sc I for RTM University, Nagpur
14. A paper valuer, Moderator of B.Sc. I, II, III for RTM Nagpur University, Nagpur.
15. An Internal, External examiner of B.Sc I,II,III & M.Sc. I, IIFor RTM Nagpur University, Nagpur .
16. As a Head of Department for conducting the interview of lecturer in chemistry held at MLA hostel, Nagpur on 28/02/2008.
17. As a Head of Department for conducting the interview of contributory lecturer in chemistry held at N.S.SC & Arts college, Bhadrawati on 27/06/2008,17/.06/2009.
18. As judge for easy compition at central school Bhadrawati on 14th Jan 2011.
19. Worked as co-officer at N S .Sc &Arts college Bhadrawati on 18March 2010 for R.T.M.Nagpur University Nagpur theory examination.
20. Meeting attended at F.E.S.college Chandrapur for Mahila Adhyan&Sewa Kendra.
21. Worked as co-officer at S.P..College of Law Chandrapur ,Summer 2011for R.T.M.Nagpur University Nagpur theory examination.
22. Worked as co-officer at Government Engineering college Chandrapur2011,for R.T.M.Nagpur University Nagpur theory examination.
23. Visited to Tai Gowalkar college Ramtek as a member of local enquiry committee dt 9th January 2012.
24. Visited to Rajiv Gandhi College, Chandrapur as a ABCD committee member for Gondwana University, Gadchiroli 2013.
25. As a subject expert for taking interview at Kendriya Vidyalaya Bhadravati.
26. As a subject expert for taking interview at Janata Mahavidyalaya, Chandrapur.
27. Worked as Chief supervisor for RTM Nagpur university Emxamination 2014 at Nilkanthrao shinde Science & Arts college Bhadrawati.
28. Worked as a JUDGE for TECHNOFEST -2014 at Chanda Public School, Chandrapur.

29. As a placement committee member on 9th January 2015 at Janata Mahavidyalaya, Chandrapur
30. Worked as a JUDGE for Science Exhibition Bhadrawati 10th August 2018.
31. Deliver the speech on Rights on Women in NSS camp organized by Vivekanand Mahavidyalaya, Bhadrawati 2017
32. Inaugurator for international women day at Municipal corporation Bhadrawati 8th March 2017.

Dr. (Mrs)Aparna B. Dhote
Head&Asst. Professor
N.S.Science&Arts college,Bhadrawati
Dist: Chandrapur (MS)

Participation in Various Authorities & Bodies of the University

- ❖ Working Chairperson of Board of Studies -Chemistry, Gondwana University, Gadchiroli
- ❖ Working Chairperson 48(3) Committee Gondwana University, Gadchiroli
- ❖ Member of Academic Council, Gondwana University, Gadchiroli
- ❖ ABCD committee member for Gondwana University, Rajiv Gandhi College, Chandrapu Gadchiroli 2013.
- ❖ Member of local enquiry committee Tai Gowalkar college Ramtek , 9th January 2012.
- ❖ Member of local Enquiry committee,Thakare Mahavidyalay Nagpur ,Dt. Jan 2009.
- ❖ As a subject expert for taking interview at Janata Mahavidyalaya, Chandrapur.
- ❖ Placement committee member on 9th January 2015 at Janata Mahavidyalaya,Chandrapur
- ❖ As a Head of Department for conducting the interview of lecturer in chemistry held at MLA hostel, Nagpur on 28/02/2008
- ❖ As a Head of Department for conducting the interview of lecturer in chemistry held at MLA hostel, Nagpur on 16-07-2022.
- ❖ Subject Expert for conducting the interview of contributing lecturer in chemistry

