

CURRICULUM VITAE

Dr. ANIL BHANUDAS NAIK



Present position : **Professor and Head**
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Date of Birth : July 05th, 1972, Yavatmal, India

Education:

- 2008: PhD entitled** “Synthesis of some substituted pyrazoles and pyrazolines and the study of physical properties of their complexes with rare earth metal ions”, awarded by SGB Amravati University, Amravati.
- 1995:** M. Sc (Physical Chemistry), Govt. VMV, Amravati, Amravati University, Amravati.
- 1993:** B.Sc. (Chemistry, Physics and Math), Amolakchand College, Yavatmal, Amravati University, Amravati.

Academic Appointments:

- 2016** : Professor in Chemistry, Department of Chemical Technology, SGB Amravati University, Amravati.
Academic Counselor, IGNOU, Nagpur
- 2013** : Associate Professor in Chemistry, Department of Chemical Technology, SGB Amravati University, Amravati.
- 2005** : Lecturer (Sr.) in Chemistry, Department of Chemical Technology, SGB Amravati University, Amravati.
- 1999** : Lecturer in Chemistry, Department of Chemical Technology, SGB Amravati University, Amravati.
- 1998** : Lecturer, Victoria Jubilee Technological Institute (VJTI), Matunga, Mumbai.

Major Scientific Interests: Complexes study in solution, Ultrasonic studies in liquids, computational chemistry etc

Projects undertaken:

- 2013:** DST sponsored research project (File no SB/EMEQ-263/2013) entitled “**Studies the plant growth regulator and some physico-chemical investigations of substituted thiazoles and their complexes**” of worth Rs 1200000 (Completed) (2013-2015).

2006: UGC New-Delhi Research project (File no F/30-88/2004) entitled “The studies in synthesis of antibiotic drugs such as substituted pyrazoles and pyrazolines and their physico-chemical properties” completed (2004-06).

2005: University funded research project under TRDEA entitled “Development of Herbal based disinfectant” completed (2005-07).

Books Publications:

- “Studies the substituted pyrazoles and pyrazolines complex equilibria” **Scholar Press, Germany** (ISSN 978-3-639 -51672-2) **2013**.
- “Effect of electronegativity on structural, spectrophotometric and thermo-chemical properties of Fluorine and Chlorine substituted Isoxazoles by DFT method” **chapter published in Prime Archives in Chemistry, Vide Leaf 2020**.

Patents: Published (01) National

PhD Students: Doctoral Thesis Award (03), (SGBAU, Amravati).

Award / Fellowships / Honor:

2015: IUPAC-Travel Awardee for the International IUPAC 2015 conference held at **Busan, South Korea**, August 9-14, 2015.

2009: IASc-INSA-NASI Summer Research Fellowship (CHET23) under the Mentorship Prof. Singh H. B. Indian institute of Technology, Mumbai (IITB).

2007: Invited in DST sponsored “Interactive Meet with European and Indian Science Icons” at Vigyan Bhavan, New Delhi (February 8th).

Visit abroad: France, Thailand, Malaysia, Singapore, Dubai, Bangladesh, Uzbekistan, China, South Korea, Netherland, Belgium etc.

S N	Name of Student	Date of Registration	Title
1	Nilesh Jadhav	SGBAU/PhD/Che/6157/ 2012 wef 15.01.2013	Synthesis, characterization and study of physico-chemical equilibria of some substituted transition metal isoxazole complexes
2	P B Morey	SGBAU/PhD/Che/6139/ 2013 wef 15.07.2013	Acoustic and thermodynamic properties of some substituted thiazoles
3	S A Godakhe	SGBAU/PhD/Che/7491/ 2014 wef 15.07.2014	Quantum mechanical study & photoluminescence properties of some newly synthesized substituted isoxazolines with transition metal complexes

Professional Affiliations:

- 2019:** Life Member, Association of Chemistry Teachers, Mumbai
- 2012:** Life Member, Ultrasonic Soc. India, National Physical Lab. (NPL), New Delhi (LM 253).
- 2012:** Supervisor, Chemistry, Faculty of Science at SGB Amravati University Amravati
- 2008:** Life Member, Amravati University Chem. Teachers Asso. (AUCTA), Amravati (L358).
- 2007:** Life Member, Indian Science Congress Association (ISCA), Kolkota (L12949).

International (20) and National (09) Publications:

International:

- 2020:** V. T Bhugul and **A. B. NAIK** “ Study the effect of Reverse osmosis (RO) rejected water on the physicochemical properties of soil in identified land of Akola District” **Int. J. Res.& Ana. Review** 7(4), 595-602.
- 2019:** 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” **Int. J of Adv. & Inno. Res.** 6(1)(XIX), 48-51.
- 2017:** A. R. Thakare, A. C. Dongapure and **A. B. NAIK** “Acoustical and Thermodynamical investigation of 1-Amino-5-Nitrothiazole-DMSO-water system at different temperatures” **Medicinal Chemistry**, 7(1), 745-749.
- 2017:** N. U. Jadhao and **A. B. NAIK** “Effect of electronegativity on structural, spectrophotometric and thermo-chemical properties of fluorine and chlorine substituted isoxazoles by DFT method” **Cogent Chem.**, 3,1296342.
- 2017:** Swati A. Gadkhe and **A. B. NAIK** “Thermodynamical electronic structure, spectroscopic and solvent effect of fluorine and chlorine substituted coumarin chlorobenzoxy isoxazoline” **Int. J. Pharma. Chem. Bio. Sci.**, 7(3), 253-264.
- 2017:** Swati Godakhe and **A. B. NAIK** “Synthesis and characterization of new 7-hydroxy-4-methyl coumarin incorporated flavanone and isoxazoline derivatives” **Int. J. Pharma. Chem. Bio. Sci.**,7(3), 274-78.
- 2016:** A. R. Thakare and **A. B. NAIK** “Study of molecular interactions in aqueous 2-amino-5-nitrothiazole-NiCl₂ solution at different temperatures and concentrations” **Chemxpress**, 9(6), 1-11.
- 2016:** A. R. Thakare and **A. B. NAIK** “Study of molecular interactions of 2-amino-5-nitrothiazole in NNDMF, acetonitrile and ethanol using acoustical parameters” **Cogent Chem. Phys. Chem. (Taylor and Francis)** 2, 1-16.

- 2016: N.U Jadhao, **A. B. NAIK** “pH metric studies on stability constant of bromophenyl amino and iodophenyl amino substituted with Pr(III), Nd(III), Sm (III) and Eu(III) metal ions in 70% ethanol-water mixture at 0.1M ionic strength” **Der Chemica Sin.**, 7(4), 2016, 10-13.
- 2016: **A. B. NAIK** “Refractometric measurements of 5-*O*-tolylthiocarbamido-1-naphthol in ethanol-water system” **J. Med. Chem. & Drug Discovery**, 2(1), 2016, 11-14.
- 2016: **A. B. NAIK** and M. S. Poharkar “Stability constant of rare earth metals with substituted thiazoles at 298.15K” **Int. Lett. Chem. Phys. Astronomy**, 64 (2016)106-109.
- 2015: **A. B. NAIK** “Ultrasonic study of substituted thiazole at different temperatures” **Int. Lett. Chem. Phys. & Astronomy**, 61 (2015) 105-109 (ISSN 2299-3843).
- 2015: P. B. Morey and **A. B. NAIK** “Acoustical studies of ternary liquid mixtures of 2-aminothiazole in DMF-Water at different temperatures” **Int. Lett. Chem., Phys. & Astro.**, 59 (2015) 188-198.
- 2014: A. U. Mandakmare, M. L. Narwade, D. T. Tayade, **A. B. NAIK** “Intermolecular interactions in dioxane-water solutions of substituted coumarins according to ultrasonic data” **Physical Chem. Sol.** 88(13), 2234-2338 (IF: 0.480) (Sp. link) ISSN: 0036-0244.
- 2014: G. G. Muley, P. Labde, A. Gambire, **A. B. NAIK** “Novel study on determination of crystal growth conditions for L-arginine phosphate mono hydrate crystal by ultrasonic velocity measurement in aqueous solution of L-arginine and phosphoric acid” **Anal. Chem. Lett.** 4(2), 86-92, 2014. (Taylor & Francis) ISSN 2229-7928.
- 2014: **A. B. NAIK**, M. L. Narwade, P. S. Bodakhe and G. G. Muley “Molecular Interaction in substituted pyrimidines-acetonitrile solutions at 298.15-318.15K, **Russ. J. Physical Chem. A**, 88(1), 37-41(IF: 0.380) (Spinger link) ISSN: 0036-0244.
- 2014: G. G. Muley, **A. B. NAIK**, A. B. Gambire “ Investigation on intermolecular interaction in super saturation state of cadmium sulphate mixed zinc *tris*-Thiourea sulphate solution”, **J. Mol. & Eng. Materials**, 2(3), 1450002-06.
- 2013: **A. B. NAIK** “Studies thermodynamical stability of complexes rare earth metal ions with substituted pyrazoles” **Uni. J. Chem.**, 1(1), 7-10 (Horizon Res. Pub, USA) 2332-3027.
- 2012: P. S. Ambhore, **A. B. NAIK**, S. Devade, G. G. Muley “Study on effect of SrCl₂ doping on crystal structure & SHG efficiency of KDP” **Int. J. Basic & Appl. Res.**, Sp. issue, 137-40.
- 2011: **A. B. NAIK** “Spectrophotometric studies of Dy (III), Nd (III), Sm (III) and Tb (III) complexes with substituted pyrazoles” **World J. Chem.**, 6(2), 118-121 (IDOSI).

- 2009:** **Anil B. NAIK** and Maroti Narwade “pH metric Studies on formation constant of the complexes of substituted pyrazoles with some lanthanide metal ions and influence of ionic strengths on complex equilibria in a 70% dioxane-water mixture” **Russ. J. Coord. Chem.**, 35(12) 932-937. (IF: 0.540) (Spinger link), (Russian version) 35 (12) pp 944-949.
- 2008:** **Anil B. NAIK** and Maroti Narwade “Studies in influence of dielectric constants on complex equilibria between substituted pyrazolines and lanthanide metal ions pH metrically”. **Am.-Eurasian J. Scientific Res.**, 2008, 3(2), 212-216. (IDOSI)

National:

- 2015:** G.G. Muley, **A. B. NAIK**, A. B. Gambhire “ Optical properties of KCl doped L-arginine phosphate monohydrate nonlinear optical single crystal” **BioNano Frontier**, 8(3), 269-271 (ISSN 0974-0678, 2320-9593)
- 2015:** **A. B. NAIK** “Densities, viscosities, speed of sound and some acoustical parameter studies of substituted pyrazoline compounds at different temperatures” **Ind. J. Pure Appl. Phys.** 53(1), 27-34 (IF:0.854).
- 2015** S. S. Talwatkar , A. L. Sunatkari , A. B. Gambhire , **A. B. NAIK** , G. B. Harde and G. G. Muley “Optical properties of L-alanine passivated CdS nanoparticles” **J. Ind. Chem. Soc.**, 92, 2015, 713-716.
- 2014:** **A. B. NAIK** and P. A. Pawar “Chemistry is a vital part in everyday life” **Everyman’s Sci.**, XLIX (4), 245-248 (ISSN 0531-495X).
- 2011:** **A. B. NAIK** and G. G. Muley “Recent progresses in synthetic polymer materials” **BioNano Frontier**, 156-157 (IF: 0.300) (ISSN 0974-0678).
- 2011:** M. R. Ingle, **A. B. NAIK** and M. L. Narwade “Studies on acoustic parameters of some substituted Benzothiazoles in 70% dioxane-water, methanol-water and THF-water mixture at different temperatures” **BioNano Frontier**, 61-63.(IF:0.300).
- 2011:** A. L. Sunatkari, **A. B. NAIK**, M. N. Rode, B. H. Pawar and G. G. Muley “Growth and characterization of Sr Doped L-Arginine capped ZnS nanoparticles” **BioNano Frontier**, 82-84 (IF:0.300).
- 2009:** **NAIK A. B.** and N. B. Selukar “Role of Nanotechnology in Medicine” **Everyman’s Sci.**, XLIV (3), 151-153 (ISSN 0531-495X).
- 2005:** P. A. Pawar, Gogate, **A. B. NAIK** and V. P. Dhanvijay “Use enzymes in fruit and vegetable processing”–An overview **Beverage and Food World - July**, p19-22.

International (04) and National (10) Publications in Conference Proceeding

International:

- 2016:** D. A. Pund, D. T. Tayade, **A. B. Naik** “Density and ultrasonic study of Benzothiazole and chlorobenzothiazole at 298.15K” **Procedia Tech, Elsevier** 24, 677-681.
- 2016:** G. G. Muley, P. S. Ambhore, **A. B. Naik**, A. B. Gambhire “Effect of partial replacement of Zn with Cd on optical properties of zinc thiourea chloride (ZTC) crystal” **Procedia Tech, Elsevier** 24, 715-720.
- 2015:** Patil S. U and **NAIK A. B.** “Effect of concentration of substituted pyrazoline on acoustic parameters, **Int. J. Sci. & Res.**, 486-88 (IF 4.438) (ISSN 2319-7064).
- 2015:** P. B. Morey and **A. B. NAIK** “Acoustic & thermodynamical studies of ternary mixture of 2-aminothiazole with acetonitrile in water at varying temperatures, **Int. J. Sci. & Res.**, 211-214 (IF 4.438).

National:

- 2018:** P. B. Morey & **A. B. NAIK** “Acoustical studies of 2-Bromothiazole at different Temperatures” *Aayushi Int. Interdisciplinary Res. J. Sp. Issue* 25, 578-81
- 2018:** P. B. Morey, **A. B. NAIK**, J. B. Thakare & R. B. Pawar “Molecular Interaction studies of Ternary Mixtures of 2- Aminobenzothiazole in Propanol-Water at different Temperatures” *Aayushi Int. Interdisciplinary Res. J. Sp. Issue* 25, 480-85
- 2009:** G. G. Muley, M. N. Rode, S. A. Waghuley, **A. B. NAIK**, S. K. Devhade, B. H. Pawar “An investigations on NLO L-Arginine doped ADP single crystals” *Proceeding NCRTMSC-2009*, 18-21.
- 2009:** **NAIK A. B.**, Narwade M. L., Muley G. G. and Rode M. N. “Studies in acoustical parameters of substituted acetophenone in different percentages with water.” *Proceeding Eighteen National Symposium on Ultrasonics, NSU-XVII*, 269-272.
- 2011:** Bhagat S. P., Baig M. I., **NAIK A. B.**, Kakde P. M., Dagdale S. R., Dukre A. B., Pawar B. H. and Muley G. G. “Growth and characterization of Lithium L-Alanine sulphate crystal” *Proceeding in National Conference on Advanced technologies in Material Science and their applications* at Arts, Comm. & Sci. College, Arvi, March 6th, 65-69.
- 2011:** **NAIK A. B.**, Narwade M. L., Tayde D. T. and Muley G. G. “Studies on Densities, Viscosities and Refractive index of substituted pyrazoles” *Proceeding in National Conference on Advanced technologies in Material Science and their applications (NCATMSA)* at Arts, Comm. and Science College, Arvi, March 6th, 176-180.

- 2012:** **A. B. NAIK** “Bioplastics is an ecofriendly polymer materials” Proceeding in National Seminar on Technological Innovations with Environmental Integrity, COET, HVPM, Amravati, Feb., 28th 2012, 36-38 (ISBN 978-81-922256-5-4).
- 2014:** P. M. Wankhade, S. A. Athawaler, **A. B. NAIK**, A. B. Gambhire, G. G. Muley “optical properties of KCI doped L-arginine phosphate monohydrate nonlinear optical single crystal” Proceeding National Conference on Recent Trends in Mathematics Physics and their Applications, 166-171 (ISBN 978-81-929160-2-6).
- 2013:** **A. B. NAIK**, M. L. Narawade and G. G. Muley “ Stability constant of Pr (III) and La (III) with substituted pyrazolines” National Conference on Upcoming Trends in Chemical Sci., Dept of Chem., Sh. Anand College of Sci., Paturdi, Dist. Ahamadnagar, Sept., 6-7th 2013, 28-29 (ISBN 978-81-905776-99-9).
- 2013:** G. G. Muley and **A. B. NAIK** “Optical studies of Nanoparticles Co-doped with Nd+Li and capped by L-Arginine” National Conference on Upcoming Trends in Chemical Sciences, Dept of Chem., Sh. Anand College of Sci., Paturdi, Dist. Ahamadnagar, Sept 6-7th 2013, 131-133.

International and National Conference Participations

International (17):

17. **A. B. NAIK** “Computational study of halo substituted coumarin isoxazoline” presented at International conference on energy and environmental challenges, at Visvesvaraya National Institute of Technology, VNIT Nagpur (MS) India, January 18-19, 2019.
16. **A. B. NAIK** “Acoustical studies of 2-Bromothiazole at different temperature” presented at International conference on recent trends in science and Technology, at SSSKR Innani Mahavidyalaya, Karanja (MS) India, March 22-23, 2018.
15. **A. B. NAIK** “Density, ultrasonic velocity and viscometric of 2-aminothiazole in organic-aqueous at different temperatures” presented in ChemCYS2016, **Blankenberge, Belgium**, March 16-18, 2016.
14. **A. B. NAIK** “Studies the molecular interactions of substituted pyrazole in dioxane-water mixture” presented in IUPAC-2015, **Busan, South Korea**, August 9-14, 2015 pp 94.
 - **A. B. NAIK** “Metal complexes studies of substituted pyrazolines with rare earth metal ions” presented in IUPAC-2015, **Busan, South Korea**, August 9-14, 2015 pp64.
13. **A. B. NAIK** “ Studies on the molecular interaction of substituted Thiazoles mixtures at different Temperatures” Oral presented in International Conference on Applications and Management in Chemical Sciences, **Tashkent, Uzbekistan**, June 13-15, 2015, pp 6.

- **A. B. NAIK** “Physico-chemical investigations of substituted pyrazole in organic-aqueous mixture” presented in International conference on Applications and Management in Chemical Sciences, **Tashkent, Uzbekistan**, June 13-15, 2015, pp 42.
12. **A. B. NAIK**, M. L. Narwade, P. V. Gaikwad, D. T. Tayade and G. G. Muley “Thermo acoustical properties of some Thiazoles” Oral presented in International symposium (**ISU**) on Ultrasonic at RTM Nagpur University, Nagpur, January 22-24, 2015 pp.
 - S U Patil and **A. B. NAIK** “ Effect of concentration of substituted pyrazoline on acoustic parameters” presented in International Symposium on Ultrasonic (**ISU**) at RTM Nagpur University, Nagpur, January 22-24, 2015 pp 74.
 11. **A. B. NAIK**, D. T. Tayade, D. A. Pund, N. J. Meshram and G. G. Muley “Studies the interferometric measurements of Thiocarbomidophenols at 300.15K” presented in International conference on recent trends and challenges in sciences and technology, Pravaranagar, August 20-22, **2014**.
 10. **A. B. NAIK** “Densities, ultrasonic velocities & viscosities of substituted pyrazole in dioxane-water mixture at 298.15K” presented in 3rd International conference chemistry for sustainable development: Indian perspective at **Dubai**, June 10-14, **2014**.
 9. **A. B. NAIK** “Ultrasonic velocity and density studies of some edible oils” presented in International convention of food at CFTRI, Mysore December18-21, **2013** pp 203.
 - G. G. Muley and **A. B. NAIK** “Ultrasonic velocity and density studies of pasteurized milks” presented in International convention of food at CFTRI, Mysore December18-21, **2013** pp 254.
 8. **A. B. NAIK**, M. L. Narwade, P. S. Bodakhe and D. T. Tayade “Thermodynamical and acoustical parameters studies of substituted pyrimidine compounds by ultrasonic measurements at 303.15K” presented in International Conference on Emerging Trends in Chemical Sciences (IETC), VIT, Vellore. 5-7 Dec **2013**.
 - S. U. Patil and **A. B. NAIK**, “Studies on formation constants of the complexes of substituted pyrazolines with some lanthanide metal ions pH-metrically” Presented in Int. Conf. on Emerging Trends in Chemical Sciences (IETC), VIT, Vellore. 5-7 Dec **2013**.
 7. **NAIK A. B.**, Patil S. U., and Tayade D.T. “Ultrasonic investigation of some n-alkanes at 308.15K” presented in Chemical Constellation Cheminar 2012, Dept. of Chem., Dr. B. R. Ambedkar National Institute of Technology (NIT), Jalandhar (Sept. 10-12, **2012** pp 338).

6. **NAIK A. B.**, “Ultrasonic investigations of substituted pyrazoline compounds at different temperatures” presented in 2nd International Conference on Trends in Chemical Sciences Going Beyond Frontiers at **Kuala Lumpur, Malaysia** (June 10-12th, **2012** pp 27).
5. **NAIK A. B.**, Narwade M. L., Manik S. R., and Tayade D.T. “Investigation of plant growth regulatory activity of metal complexes on Brassica & Trigonella” Presented in 3rd Int. Conf. on Heterocyclic Chem. at Chem. Dept., Uni. Rajasthan (Dec. 10-13th, **2011** pp 12).
4. **NAIK A. B.** and Narwade M. L., “Studies the plant growth regulatory activity of metal, ligand and their complexes” presented in International Conference on Global Challenges- The Role of Chemistry in giving their solutions at **Bangkok** (June 11-15th, **2011** pp 22).
3. Muley G. G., Rode M. N., **NAIK A. B.** and Pawar B. H., “SHG FT-IR and thermal studies of urea phosphate doped KDP single crystals” Presented Int. Conf. of active/smart materials ICASM-2009 at Thiagarajan College of Eng., Madurai, India (Jan 7-9th **2009**).
2. **NAIK A. B.** and Narwade M. L., “Synthesis of 2-pyrazoline via chalcone and their studies” presented in Sixth Tetrahedron Symposium, Bordeaux, **France** (29th June-1st **2005**, 161).
1. **NAIK A. B.** and Narwade M. L., “ Studies in metal-ligand stability constants of Nd (III), Sm(III), Tb(III) metal ion complexes with substituted pyrazoles by pH metrically” accepted in 13th IUPAC Organometallic Conference (OMCOS), Uni. of Geneva, **Switzerland** (17th- 21st July, **2005**).

National (17):

17. **A. B. Naik**, S. U. Patil and S. G. Khobragade “Research methodology; an introduction” presented in National workshop on “Advances of Research methodology in higher education” Arts, Commerce and Science College, Satral, January 22-23rd 2016.
16. D. T. Tayade, S. S. Paden, A. B. Wadekar, **A. B. NAIK**, S. G. Khobragade, S. P. Ingole, “Viscometric measurements of 2-methyl-4-hydroxy-6-thiocarbamido-1,3,5-triazine in 55% ethanol-water mixture at various temperatures” Presented in National Seminar on Futuristic materials (NSFM-2015), Dept. of Chem., N. S. Science & Arts College, Bhadrawati. February 04, 2015.
15. **A. B. NAIK** and G. G. Muley “Plant growth regulatory activities of substituted thiazoles in complex equilibria” Presented in 102th Ind. Sci. Cong., Mumbai, 3-7 Jan. 2015 pp112.
14. **A. B. NAIK**, M. L. Narawade and G. G. Muley “ Stability constant of Pr (III) and La (III) with substituted pyrazolines” National Conference on Upcoming Trends in Chemical Sci., Dept of Chem., Shri. Anand College of Sci., Paturdi, Dist. Ahamadnagar, Sept. 6-7th 2013.

13. **A. B. NAIK** “Bioplastics is a ecofriendly polymer materials” Proceeding in National Seminar on Technological Innovations with Environmental Integrity, COET, HVPM, Amravati (February, 28th 2012, 36-38).
12. **NAIK A. B.**, Narwade M. L., and Muley G.G. “Ultrasonic investigations of (polypropylene glycol + water) and (polyethylene glycol + water) solution at 298.15K” presented in XIXth National Symposium on Ultrasonics, National Physical Laboratory (NPL), New Delhi (October 30-31, **2012** pp 35).
11. Nisha P. Bharti, **A. B. NAIK**, Y. S. Tamgadge, G. G. Muley “Study on the variation of particle size of CdS with different amino acids” presented in National Conference on Lasers and Advanced materials at Dept. of Physics, SGB Amravati University, Amravati (May 29-30th 2012, pp 62)
10. **NAIK A. B.**, Narwade M. L., Tayade D. T. and Muley G.G. “Studies on densities, viscosities and refractive index of substituted pyrazoles” presented in National Conference on Advanced Technologies in Material Science and their applications” at Art, Comm. and Science College, Arvi, (March 6th **2011** pp 176).
9. **NAIK A. B.**, and Narwade M. L. “Acoustical study of binary mixtures at different temperatures” National Conference on Chemistry for Health at Department of Chemistry, Institute of Science, Nagpur (January 28-29th **2010** pp 22).
8. **NAIK A. B.**, Narwade M. L. and Muley G. G. “Ultrasonic studies of binary mixtures of some organic liquids” presented in National Conference on Materials Sciences: Trends & Future 2010 at VidyaBharati Mahavidyalaya, Amravati (January 6-7th **2010** pp 58).
7. **NAIK A. B.**, Narwade M. L., Muley G. G. and Rode M. N. “Studies in acoustical parameters of substituted acetophenone in different percentages with water.” Accepted for oral presentation in Eighteen National Symposium on Ultrasonic, VIT University Vellore Tamilnadu, (December 21-23rd **2009** pp269-272).
6. G. G. Muley, M. N. Rode, S. A. Waghuley, **A. B. NAIK**, S. Devhade, B. H. Pawar “An investigations on NLO L-arginine doped ADP single crystals” presented in National Conference on Recent trends in Material Synthesis & Characterization at Dept of Physics, Saoner (December 4-5th **2009** , pp 18-21).
5. Narwade M. L., Madakamare A., **NAIK A. B.**, Dhirkbassi C. B., and Kedar P. R., “Solution studies of some binary lanthanide complexes” presented in National Conference of Green Chemistry and its perspective at Dept. of Chemistry, SGB Amravati University, Amravati (11-12th February **2008**, pp D-21).

4. Selukar N.B and **NAIK A. B.**, “Effect of *m*-methyl group on adsorption study of F-200 GAC for phenolic waste” presented in National Conference on Modern Approaches and Innovations in Biotechnology and Biodiversity conservation at Shri. Shivaji Science College, Amravati (28-30th January **2007**, pp 92).
3. **NAIK A. B.**, Narwade M. L., and Madakamare A., “pH metric studies of Sm (III) and Tb (III) complexes with substituted pyrazoles” presented in the National Conference on Current Research Trends and Developments in Heterocyclic Chemistry (**NCCRTDHC-2006**), at Osmania University, Hyderabad (17-18th March, **2006** pp 24).
2. UGC sponsored National conference on Emerging Trends in Chemical Sciences in the New Millenium at Dept. of Chemistry, Shri. Shivaji Science College, Amravati (5-7th Feb. **2004**).
1. P. A. Pawar, **A. B. NAIK**, V. S. Dawale, P. P. Dhore, A. J. Ukani, P. T. Khade and V. R. Dudhe “Fruit juice processing using enzymes” presented in National Conference on Eco-friendly Chemical Technologies in New Millennium at Department of Chemical Technology, Amravati University, Amravati (7-8th Feb **2002**. p35).

Refresher Course /Summer Programme:

- 2016:** Short Term Course entitled “Research Methodology” sponsored by UGC-HRDC-Pondicherry University, Pondicherry participated during July 25–30th, 2016.
- 2013:** TEQIP sponsored Short Term Training Programme (STTP) organized by Department of Chemical Technology, North Maharashtra University (NMU), Jalgoan entitled “Nano-Science and Nanotechnology” during June 20-25th **2013**.
- 2011:** ISTE approved Short Term Training Programme (STTP) organized by College of Engineering and Technology, HVPM, Amravati entitled “Recycling and Reuse of Engineering Materials: Conservation of energy sources” during November 21-30th.
- 2010:** UGC Academic Staff College, SGB Amravati University organized Refresher Course in Chemistry participated on November 15th to December 4th.
- 2005:** UGC Sponsored Refresher Course “Advances in Chemical Sciences” participated at Department of Chemistry, Amravati University, on November 8th-28th.
- 1998:** Veermata Jijabai Technological Institute (VJTI), Mumbai organized summer programme entitled “Principle Management of Polytechnique Teachers”.

Other Activity

- 2020: Jury Member**, Awishkar-2019-20 at Amolkachand College, Yavatmal January 11, 2020
- 2019: Nodal Officer**, NIRF Sant Gadge Baba Amravati University, Amravati
- 2019: Assistant Valuation Officer**, Sant Gadge Baba Amravati University, Amravati Dec, 10-Jan 5, 2020.
- 2019: ARC member**, All India Engineering Admission
- 2019: NAAC Criteria VI committee member**, Sant Gadge Baba Amravati University,
- 2018: Chair the Session** in International conference organized by Kamla Nehru Mahavidyalaya, Nagpur, October 5-7, 2018.
- 2016: Selection committee member**, PGT in Jawahar Navodaya Vidyalaya, Navsari, Amravati June 1, 2016.
- 2016: Selection committee member**, TGT in Jawahar Navodaya Vidyalaya, Navsari, Amravati June 3, 2016.
- 2016: Resource Person**, Pre-PhD Course, Department of Chemistry, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, May 28.
- 2016: Member**, Local Enquiry Committee (LEC) at College of Engineering & Technology, Akola on dated February 24.
- 2016: Resource person**, UGC sponsored National workshop on “Advances of Research methodology in higher education” Arts, Commerce and Science College, Satral, January 22-23rd 2016.
- 2015: Invited Lecture**, UGC sponsored short term course in Research Methodology organized by UGC-Human Resource Development centre, Sant Gadge Baba Amravati University, Amravati (October 8).
- 2015: Observer**, CBSE, NEET Examination July 25, 2015.
- 2015: Chair the Session**, National Seminar on Futuristic materials (NSFM-2015), Department of Chemistry, N. S. Science and Arts College, Bhadrawati. February 04.
- 2015: Chair the Session**, National Seminar organized by Analytical Chemistry Teachers and Researchers Association (ACTRA) in collaboration with J. of Molecular Chemistry & Drug Discovery at Aurangabad, January 18, 2015.
- 2014: Invited as Chief Guest**, Chemical Society and guest lecture delivered in R. R. Lahoti Science College, Morshi.
- 2014: Resource Person**, International conference on recent trends and challenges in Sciences and technology, Pravaranagar, August 20-22, 2014.

- 2014: Chair the Session**, International conference on recent trends and challenges in Sciences and technology, Pravaranagar, August 20-22, 2014.
- 2014: Member, National Science Day (NSD)-2014 (Science and Exhibition)** in SGB Amravati University, Amravati.
- 2014: Observer**, CBSE, NEET Examination May 2014.
- 2013: Chairman**, National Conference on Recent Trends in Chemistry Education, organized by Department of Chemistry, Sir Sayyed College of Arts, Commerce & Science, Aurangabad, December 13-14, 2013.
- 2013: Chairman**, National Conference on Upcoming Trends in Chemical Sciences, Department of Chemistry, Sh. Anand College of Science, Paturdi, Dist. Ahamadnagar, September 6-7th 2013.
- 2011: In-charge coordinator, Remedial Coaching Classes** for SC/ST/OBC/Minority and Girls students in Dept. Chemical Technology, SGB Amravati University (**since 2009**).
- 2013: Observer**, CBSE, NEET Examination May 4th 2013.
- 2012: Co-coordinator, FABLAB** July 02, 2012 under UGC XIIth plan.
- 2011: On the eve of Engineer's Day** Blood donated in blood donation camp September 15th
- 2010: On the eve of Engineer's Day** Blood donated in blood donation camp September 15th.
- 2009: Member**, Departmental NAAC re-accreditation committee on dated 10.12.2009.
- 2009: One day training programme** for Teacher and Engg. Faculties by **CDEEP, IIT, Mumbai**, attended at SGB Amravati University, Amravati August 8th.
- 2009: Member, NAAC Documentation** committee, SGB Amravati University, Amravati.
- 2008: Member, AWISHKAR-2008** SGB Amravati University, Amravati.
- 2008: Member, Unfair means committee**, SGB Amravati University, Amravati.
- 2006: Member, National Science Day (NSD)-2006** in Amravati University, Amravati.
- 2005: Member, Photography and Video** in International conference on Modern Trends in plant Sciences with special references in the role of Biodiversity in conservation Amravati University, Amravati.
- 2003: Organizing member, ASHWAMEDH-2003** in Amravati University.
- 2002: Organizing Member**, National Seminar on Eco-Friendly Chemical Technology in New Millennium-2002.
- 2000: TEAM MANAGER**, Interuniversity Hockey (Men)-2001-02.

Workshop and Seminar Activity:

Workshop:

7. INUP sponsored Nanotechnology Familiarization workshop attended in IITB during December 16-18, 2015.
6. Workshop on Accreditation (NBA) Awareness at Sant Gadge Baba Amravati University, Amravati dated 17th March, 2015.
5. One week Second International workshop on Hadronic Chemistry sponsored by R. M. Santilli's Foundation Pearl Harbor, Florida, **USA** attended at Department of Chemistry, RTM Nagpur University, Nagpur. (November 24-29, **2014**).
4. One week First International workshop on Hadronic Chemistry sponsored by R. M. Santilli's Foundation Pearl Harbor, Florida, **USA**, attended at Department of Chemistry, RTM Nagpur University, Nagpur. (October 21-26, **2013**).
3. National workshop on "**Green Chemistry**" attended at Department of Chemistry, SGB Amravati University, Amravati (February 17-18th **2010**).
2. National workshop on "**Modern trends in advanced analytical techniques**" attended Dept. of Chemistry, N. Wadia College, Pune (January 8-10th **2008**).
1. UGC sponsored state level workshop on "**Microscale technique in Chemistry**" attended at Dept. of Chemistry, Shri Shivaji Science College, Amravati (October 21-22nd **2002**).

Seminar:

12. Seminar on "Recent tools and opportunities for Chemistry Teachers" participated at M. F. Arts, comm. Science college, Warud on December 03, 2017.
11. **A. B. NAIK** "Refractometric measurements of 5-O-tolythiocabamido-1-naphthol in ethanol-water system" Presented in National Seminar, Aurangabad (Feb 28, 2016).
10. UGC sponsored one day seminar "**Green Chemical Technology**" attended at Department of Chemical Technology, SGB Amravati University, Amravati (March 18th **2012**).
9. **A. B. NAIK** "Bioplastics is an ecofriendly polymer materials" presented in National Seminar on Technological Innovations with Environmental Integrity, COET, HVPM, Amravati (February, 28th **2012** pp36).
8. **A. B. NAIK** and G. G. Muley "Recent progresses in synthetic polymer materials" presented in National Seminar on Current trends in Material Science at Shri Dr. R.G. Rathod Arts and Science College, Murtizapur (December 3rd **2011**).
7. Indian Social science, Allahabad, UGC-Academic Staff College, Department of Botany and Department of Sociology, SGB Amravati University organized one day Seminar

- “Natural resources, biodiversity and geography” attended at SGB Amravati University, Amravati (October 18th 2011).
6. Amravati University Chemistry Teachers Association (AUCTA) Seminar “Chemistry in our lives” attended at SGB Amravati University, Amravati (September 25th 2011).
 5. **A. B. NAIK** “Nanotechnology and health” presented and awarded second at National Seminar on Recent Innovations in Drug Technology Techniques and Nanotechnology at Department of Chemistry, Shri. R. R. Lahoti Sci. College, Morshi, Tq. Morshi, Dist. Amravati (February 27th 2010 pp 11).
 4. On the eve of World Environment Day one day seminar on “Environment management & sustainable development” attended at SGB Amravati Uni., Amravati (June 5th 2009).
 3. **NAIK A. B.**, Narwade M. L and Madakamare A., “Stability complexes of rare earth metal ions with substituted pyrazolines” presented (by Co-author) in Innovations in Basic Sciences in the realm of Modern Education System, JB Science College, Wardha (Dec 27th-28th 2008 pp 21).
 2. National seminar on the “Advanced materials” on the eve of superannuation of Prof. N. S. Bhave attended at Dept of Chem., RTM, Nagpur University (Feb.12th 2007).
 1. UGC sponsored seminar on “Significant trends in research in chemistry” attended at Dept. of chemistry, Nagpur University, Nagpur (29th February 2004).