

CURRICULUM VITAE

Dr. ANIL BHANUDAS NAIK



Present position : **Faculty**
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Citizenship : Indian

Date of Birth : July 05th, 1972, Yavatmal, India

Marital Status : Married

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.

1996: B. Ed Jijau Mahavidyalaya, Yavatmal - 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:

1999 : Lecturer in 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, 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 (ongoing).

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).

Award / Fellowships / Honor:

2015: **IUPAC-Travel Award** for the 45th IUPAC World Chemistry Congress 2015 held at **Busan, South Korea** during 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, South Korea etc.

Books Publications: “Studies the substituted pyrazoles and pyrazolines complex equilibria” Published by **Scholar Press, Germany** (ISSN 978-3-639 -51672-2) **2013**.

Professional Affiliation:

2012: Life Member Ultrasonic Society of India, National Physical Laboratory (**NPL**), New Delhi (**LM 253**).

2012: Supervisor in Chemistry, Faculty of Science at SGB Amravati University Amravati

2008: Life Member Amravati University Chemistry Teachers Association (**AUCTA**), Amravati (**L358**).

2007: Life Member Indian Science Congress Association (**ISCA**), Kolkota (**L12949**).

1999: Life member Nagpur Unit Teacher Association (**NUTA**).

International (11) and National (16) Publications:

International:

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) pp 188-198.

2015: Patil S. U and **NAIK A. B.** “Effect of concentration of substituted pyrazoline on acoustic parameters, **Int. J. Sci. & Res.** pp 486-88.

2015: P. B. Morey and **A. B. NAIK** “Acoustic and thermodynamical studies of ternary mixture of 2-aminothiazole with acetonitrile in water at varying temperatures, **Int. J. Sci. & Res.** pp 211-214.

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. Solu.** 88(13), 2234-2338.

- 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), pp 86-92, **2014**.
- 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.
- 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” **Universal J. Chem.**, 1(1), 7-10.
- 2012:** P. S. Ambhore, **A. B. NAIK**, S. K. Devade, G. G. Muley “Study on effect of SrCl₂ doping on crystal structure and SHG efficiency of KDP” **Int. J. Basic and Appl. Res.**, Special issue, pp 137-140.
- 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), pp118-121 (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” **Russian J. Coord. Chem.**, 35(12) pp932-937.
- 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), pp 212-216. (IDOSI)
- National:**
- 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.
- 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.**, Vol. 92, 2015, pp. 713-716.
- 2014:** **A. B. NAIK** and P. A. Pawar “Chemistry is a vital part in Everyday life” **Everyman’s Science**, Vol. XLIX (4) pp 245-248.

- 2014:** Pratik M. Wankhade, Satish A. Athawaler, **Anil B. Naik**, Anil B. Gambhire, Gajanan G. Muley “ optical properties of KCl doped L-arginine phosphate monohydrate nonlinear optical single crystal” Proceeding National Conference on Recent Trends in Mathematics Physics and their Applications pp 166-171.
- 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 Sciences, Department of Chemistry, Sh. Anand College of Science, Paturdi, Dist. Ahamadnagar, September 6-7th 2013 pp 28-29.
- 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, Department of Chemistry, Sh. Anand College of Science, Paturdi, Dist. Ahamadnagar, Spetember 6-7th 2013 pp131-133.
- 2012:** **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 pp36-38.
- 2011:** **A. B. NAIK** and G. G. Muley “Recent progresses in synthetic polymer materials” **BioNano Frontier**, pp 156-157.
- 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**, pp 61-63.
- 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**, pp 82-84.
- 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 pp 176-180.
- 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 (NCATMSA)” at Arts, Comm. and Science College, Arvi, March 6th pp 65-69.
- 2009:** **NAIK A. B.** and N. B. Selukar “Role of Nanotechnology in Medicine” **Everyman’s Science**, Vol. XLIV (3) pp 151-153.

- 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 of Eighteen National symposium on Ultrasonics, NSU-XVII, pp 269-272.
- 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 of NCRTMSC-2009, pp 18-21.
- 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 and National Conference Participation: More than 25 papers presented in National and International conferences.

Workshop and Seminar Activity: Research paper presentation and participation in many National and International seminar and workshop.

Other Activity:

- **Resource Person, Chaired session, Delivered Guest lecture in many National and International conferences, Seminars**
- Co-coordinator **FABLAB July 02, 2012.**
- Member in **AWISHKAR-2008** SGB Amravati University, Amravati.
- Member in **Unfair means committee**, SGB Amravati University, Amravati.
- Member of **National Science Day (NSD)** in Sant Gadge Baba Amravati University, Amravati.
- As organizing member of **ASHWAMEDH-2003** in Amravati University.
- Organizing Member of National Seminar on Eco-Friendly Chemical Technology in New Millennium-**2002.**
- **TEAM MANAGER** of Interuniversity Hockey (Men)-**2001-02.**