Published Papers

From Present Work

1. **Kiran J. Nakum**, Kanubhai D. Katariya & Rajendrasinh N. Jadeja (2020) Synthesis, characterization, and mesomorphic properties of some new Schiff base homologues series and their Cu(II) complexes, Molecular Crystals and Liquid Crystals, 708:1, 1-13.

2. **Kiran J. Nakum**, Kanubhai D. Katariya, R. N. Jadeja & A. K. Prajapati (2019) Schiff base of 4-n-alkoxy-2-hydroxy benzaldehyde with 4-amino acetophenone and their Cu(II) complexes: synthesis, characterization and mesomorphic behavior, Molecular Crystals and Liquid Crystals, 690:1, 1-13.

3. **Kiran J. Nakum,** Kanubhai D. Katariya, Vivek K.Gupta & Rajendrasinh N. Jadeja. Synthesis, characterization, crystal structure and mesomorphic behaviour of thiophene based homologous series, (Accepted in Phase Transitions A Multinational Journal , doi 10.1080/01411594.2021.1989428).

4. **Kiran J. Nakum**, Kanubhai D. Katariya, Chirag J Savani & Rajendrasinh N. Jadeja. The influence of molecular flexibility on the mesogenic behaviour of a new homologous series based on azo-azomethine: synthesis, characterization, photoisomerization and DFT study. Journal of Molecular structure 1249 (2022) 131586 . https://doi.org/10.1016/j.molstruc.2021.131586

From Other Work

1. **K. J. Nakum**, J. R. Patel, V. K. Gupta, and R. N. Jadeja(2019) Crystal Structure of 5-Butoxy-4-((3- butoxyphenyl)diazenyl)-3- methyl-1-phenyl-1Hpyrazole. *Crystallography Reports,Vol. 64, No. 7, pp. 1051–1054*

2. **Kiran Nakum** and Rajendrasinh N. Jadeja, Synthesis, characterization, and electrochemical study of a mononuclear Cu(II) complex with a 4-acyl pyrazolone ligand. Z. Naturforsch. 2018; 73(10)b: 713–718.

3. G. N. Bhola, **Kiran Nakum**, Kaushal Karia & U. C. Bhoya (2015) Mesomorphism Dependence on Molecular Flexibility in an Azoester Series, Molecular Crystals and Liquid Crystals, 608:1, 125-134.

4. Balbir Kumar, **Kiran J. Nakum**, R. N. Jadeja, Rajni Kant, and Vivek K. Gupta. Crystal structure of [1-(3-chlorophenyl)- 5-hydroxy-3-methyl-1H-pyrazol-4-yl](ptolyl) methanone (2015)Acta Cryst. (2015). E71, o280–o281