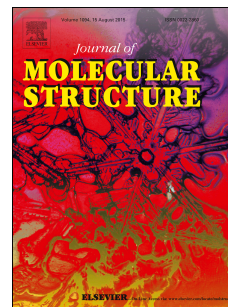


# Accepted Manuscript

Tautomerism aspect of thione-thiol combined with spectral investigation of some 4-amino-5-methyl-1,2,4-triazole-3-thione Schiff's bases

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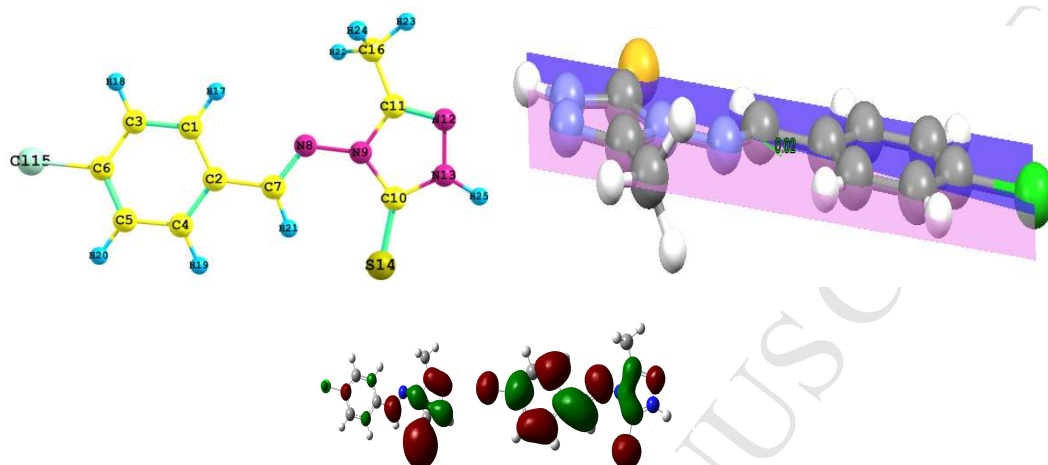
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## Graphical Abstract

Optimized molecular structure and the HOMO-LUMO plot calculated by the hybrid B3LYP/6-311G++(d,p) method for 4-(4-Chlorobenzylidene)amino-5-methyl-1,2,4-triazole-3-thione **3a**.



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