

APPENDIX B

LIST OF PUBLICATIONS

1. Smectic layer spacing, average intermolecular distance and spontaneous polarization of room temperature FLC mixtures; S. Haldar, **D. Sinha**, D. Goswami, P. K. Mandal, K. C. Dey and A. Lapanik; **Molecular Crystals and Liquid Crystals**; Vol. 547, pp. 25-32 (2011).
2. X-ray diffraction and dielectric spectroscopy studies on a partially fluorinated ferroelectric liquid crystal from the family of terphenyl esters; S. Haldar, K.C. Dey, **D. Sinha**, P.K. Mandal, W. Haase and P. Kula; **Liquid Crystals**; Vol. 39, No. 10, pp. 1196-1203 (2012).
3. On the nature of molecular associations, static permittivity and dielectric relaxation in a uniaxial nematic liquid crystal; **D. Sinha**, D. Goswami, P. K. Mandal, Ł. Szczucinski and R. Dabrowski; **Molecular Crystals and Liquid Crystals**; Vol. 562, pp. 156–165 (2012).
4. Effect of molecular conformation on the mesogenic properties of a partially fluorinated nematogenic compound investigated by X-ray diffraction and dielectric measurements; S. Haldar, **D. Sinha**, P. K. Mandal, K. Goubitz and R. Peschar; **Liquid Crystals**; Vol. 40, No. 5, pp. 689–698 (2013).
5. Molecular and dynamical properties of a perfluorinated liquid crystal with direct transition from ferroelectric SmC* phase to isotropic phase; D. Goswami, **D. Sinha**, A. Debnath, P.K. Mandal, S.K. Gupta, W. Haase, D. Ziobro, R. Dabrowski; **Journal of Molecular Liquids**; Vol. 182, 95–101 (2013).
6. High birefringence laterally fluorinated terphenyl isothiocyanates: Structural, optical and dynamical properties; **D. Sinha**, P. K. Mandal and R. Dabrowski; **Physica B**; Vol. 441, pp. 100-106 (2014).
7. Hexatic and blue phases in a chiral liquid crystal: optical polarizing microscopy, synchrotron radiation and dielectric study; **D. Sinha**, A. Debnath and P. K. Mandal; **Materials Research Express**; Vol. 1 (035101), pp. 1-13 (2014).

8. Structural, optical and dynamical properties of a high birefringence laterally fluorinated terphenyl isothiocyanate; **D. Sinha**, P. K. Mandal and R. Dabrowski; **Phase Transitions**; Vol. 88, No. 2, pp. 153-168 (2015).