2011- till date

71. Das, Shankar P. Statistical Physics of Liquids at Freezing and Beyond, 2011 Cambridge University Press, UK, – ISBN 9780521858397.

72. Sen Gupta, B., Shankar P. Das and Jean-Louis Barrat, Time dependent correlations in a supercooled liquid from nonlinear fluctuating hydrodynamics : Physical Review E 83, 041506 (2011).

73. Sen Gupta, B., L. Premkumar and Shankar P. Das 2012: A free energy landscape study of the dynamics of a supercooled liquid. Physical Review E 85, 051501 (2012).

74. Sen Gupta, B., and Shankar P. Das 2012: Nonequilibrium dynamics and againg behavior from numerical solution of the fluctuating hydrodynamic equations. Journal of Chemical Physics 136. 154506 (2012).

75.Sen Gupta, Bhaskar, and Shankar P. Das, 2012, Testing Power-law relaxation scenarios in a metastable liquid, International Journal of Modern Physics B 26, 1250146.

76.Singh, S.P., and Shankar P. Das, 2012, The hopping process of a vacancy defect in a crystal Journal of Statistical Mechanics, Online stacks.iop.org/JSTAT/2012/P10016.

77.Das Shankar P. and Gene F. Mazenko 2012, Field Theoretic formulation of Kinetic Theory: I. Basic Development, Journal of Statistical Physics 149, 643–675.

78.Das Shankar P. and Gene F. Mazenko, 2013, Field Theoretic formulation of Kinetic Theory: II. The ergodicity-nonergodicity transition, Journal of Statistical Physics 152, 159–194.

79.Das, Shankar P. and A. Yoshimori, 2013, Coarse-grained forms for equations describing the microscopic motion of particles in a fluid, Physical Review E, 88, 043008.

80. Leishangthem Premkumar and Shankar P. Das, 2013, Heterogeneities of the metastable supercooled state of a simple liquid near Tc : A density functional study, in "Fragility of Glass forming liquids" Page 471, Edited by A.L. Greer et. al. Hindustan Book Agency, India, ISBN 978-93-80250-61-8.

81.Sen Gupta, B., and Shankar P. Das, 2014: Nonequilibrium dynamics of four-point Correlation of collective density fluctuations in a supercooled liquid, Physical Review E 90, 012137.

82 Das, Shankar P., Bhaskar Sen Gupta, Sunil P. Singh, 2014, Non-equilibrium dynamics of a supercooled liquid using schematic and structural models, Journal of Noncrystalline Solids 407, 44–50.

83.Premkumar L. and Shankar P. Das, 2014, Vibrational density of states in the disordered solid using classical density functional model : Physics Letters A 379, 1073–1080.

84.Bidhoodi Neeta, and Shankar P. Das, 2015, P Renormalized dynamics of the Dean-Kawasaki model, Physical Review E 92, 012325.

85.Priya Madhu, Neeta Bidhoodi, and Shankar P. Das, 2015 Qualitatively different collective and single Particle dynamics in a super-cooled liquid, Physical Review E 92, 062308.

86.Bidhoodi Neeta, and Shankar P. Das, 2015, Slow dynamics of a tagged particle in a supercooled liquid, Physical Review E 92, 062309.

87.Bidhoodi Neeta, and Shankar P. Das, Ergodicity and slow diffusion in a supercooled liquid : 2015, Physica A, 449 357-374.

88.Leishangthem Premkumar, Neeta Bidhoodi, and Shankar Das, Linking density functional and mode coupling models for supercooled liquids, Journal of Chemical Physics, 144, 124511 (2016).

89 Fragility index of a simple liquid using structural inputs: L. Premkumar and Shankar P. Das, Journal of Statistical Mechanics, stacks.iop.org/JSTAT/2016/093302

90.Configurational Entropy of a hard core system : A Density functional study. Arijit Mondal, Leishangthem Premkumar and Shankar P. Das, Preprint..

91. Single particle dynamics in binary mixture: dependence of self -diffusion coefficients on the mass ratio of the species. N. Bidhoodi, and Shankar P. Das. Preprint