

CURRICULUM VITAE

Name: Dr. Sandhya Shenoy U

Department: Materials Science and Engineering

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Educational Qualification:

- B.Sc. (Botany, Zoology, Chemistry), Mangalore University, Mangalagangothri, 2007.
- M.Sc. (Chemistry), National Institute of Technology Karnataka, Surathkal, 2009.
- Ph.D. (Chemistry), National Institute of Technology Karnataka, Surathkal, 2013.
- P.D.F., Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore, 2014-2017.

Teaching Experience: 2.5 years

Research Experience: 13 years

Research Details:

- * Research Area: Thermoelectrics, Synthesis of Nanomaterials and Simulations of Materials for Energy and Environmental applications.
- * Funding sanctioned: ~1.07 crores from Department of Science and Technology, New Delhi under DST INSPIRE Faculty Scheme.
- * Publications: 67

List of Publications:

- Shenoy, S.U., Goutham, D.K. and Bhat, D.K. (2022). *J. Alloys Compd.*, 921, 165965.
- Shenoy, S.U., Goutham, D.K. and Bhat, D.K. (2022). *Mater. Adv.*, 3, 5941 – 5946.
- Shenoy, S.U., Goutham, D.K. and Bhat, D.K. (2022). *J. Alloys Compd.*, 905, 164146.
- Kihoi, S.K., Shenoy, S.U., Kahiu, J.N., Kim, H., Bhat, D.K., and Lee, H.S. (2022). *ACS Sustain. Chem. Eng.*, 10, 1367 – 1372.
- Shenoy, S.U. and Bhat, D.K. (2022). *Energy Adv.*, 1, 15 – 20.
- Shenoy, S.U. and Bhat, D.K. (2022). *Energy Adv.*, 1, 9 – 14.
- Shenoy, S.U. and Bhat, D.K. (2021). *J. Alloys Compd.*, 892, 162221.
- Basu, R., Mandava, S., Shenoy, S.U., Bhat, D.K., Khasimsaheb, B., Debnath, A.K., Singh, A. and Neeleshwar, S. (2021). *Mater. Adv.*, 2, 7891 – 7906.
- Kahiu, J.N., Shenoy, S.U., Kihoi, S.K., Kim, H., Yi, S, Bhat, D.K. and Lee, H.S. (2021). *J. Alloys Compd.*, 891, 162033.
- Shenoy S.U. and Bhat, D.K. (2021). *ACS Sustain. Chem. Eng.*, 9, 13033 – 13038.
- Shenoy S.U. and Bhat, D.K. (2021). *Mater. Adv.*, 2, 6267 – 6271.
- Bantawal, H., Shenoy, S.U. and Bhat, D.K. (2021). *Nanoscale Adv.*, 3, 5301 – 5311.
- Kihoi, S.K., Shenoy, S.U., Bhat, D.K. and Lee, H.S. (2021). *J. Mater. Chem. C*, 9, 9922 – 9931.
- Shenoy S.U. and Bhat, D.K. (2021). *J. Alloys Compd.*, 872, 159681.

- Sethi, M., Shenoy, S.U. and Bhat, D.K. (2021). *Physica B Condens. Mater.*, 611, 412959.
- Kihoi, S.K., Kahiu, J.N., Kim, H., Shenoy, S.U., Bhat, D.K., Yi, S and Lee, H.S. (2021). *J. Mater. Sci. Technol.*, 85, 76 – 86.
- Sethi, M., Shenoy, S.U. and Bhat, D.K. (2021). *J. Alloys Compd.*, 854, 157190.
- Shenoy, S.U. and Bhat, D.K. (2021). *J. Phys. Chem. Solids*, 148, 109708.
- Shenoy, S.U. and Bhat, D.K. (2020). *Mat. Today. Chem.*, 18, 100384.
- Bhat, D.K., Bantawal, H. and Shenoy, S.U. (2020). *Nanoscale Adv.*, 2, 5688 – 5698.
- Bhat, D.K. and Shenoy, S.U. (2020). *New J. Chem.*, 44, 17664 – 17670.
- Sethi, M., Shenoy, S.U. and Bhat, D.K. (2020). *Nanoscale Adv.*, 2, 4229 – 4241.
- Bhat, D.K. and Shenoy, S.U. (2020). *J. Alloys Compd.*, 834, 155989.
- Bhat, D.K. and Shenoy, S.U. (2020). *J. Alloys Compd.*, 834, 155181.
- Shenoy, S.U. and Bhat, D.K. (2020). *J. Alloys Compd.*, 832, 154958.
- Pal, S., Arora, R., Roychowdhury, S., Harnagea, L., Kumar, S., Shenoy, S.U., Muthu, D.V.S., Biswas, K., Waghmare, U.V. and Sood, A.K. (2020). *Phy. Rev. B*, 101, 155202.
- Bantawal, H., Shenoy, S.U. and Bhat, D.K. (2020). *Appl. Surf. Sci.*, 513, 145858.
- Sethi, M., Shenoy, S.U., Selvakumar, M. and Bhat, D.K. (2020). *Front. Mater. Sci.*, 14, 120 – 132.
- Sethi, M., Shenoy, S.U. and Bhat, D.K. (2020). *New J. Chem.*, 44, 4033 – 4041.
- Shenoy S.U., Bhat, D.K. (2020). *J. Mater. Chem. C*, 8, 2036 – 2042.
- Bhat, D.K. and Shenoy S.U. (2019). *Mat. Today Phys.*, 11, 100158.
- Bantawal, H., Sethi, M., Shenoy, S.U. and Bhat, D.K. (2019). *ACS Appl. Nano Mater.*, 2, 6629 – 6636.
- Perumal, S., Samanta, M., Ghosh, T., Shenoy, S.U., Bohra, A.K., Bhattacharya, S., Singh, A., Waghmare, U.V. and Biswas, K. (2019). *Joule*, 3, 2565 – 2580.
- Sethi, M., Bantawal, H., Shenoy, S.U. and Bhat, D.K. (2019). *J. Alloys Compd.*, 799, 256 – 266.
- Shenoy S.U., Bhat, D.K. (2019). *J. Mater. Chem. C*, 7, 4817 – 4821.
- Shenoy, S.U., Bantawal, H. and Bhat, D.K. (2018). *J. Phys. Chem. C*, 122, 27567 – 27574.
- Bantawal, H., Shenoy, S.U. and Bhat, D.K. (2018). *J. Phys. Chem. C*, 122, 20027 – 20033.
- Sadiq, M.M.J., Shenoy, S.U. and Bhat, D.K. (2018). *Front. Mater. Sci.*, 12, 247 – 263.
- Bhat, D.K. and Shenoy S.U. (2018). *Mat. Today Phys.*, 4, 12 – 18.
- Sadiq, M.M.J., Shenoy, S.U. and Bhat, D.K. (2018). *Mat. Chem. Phys.*, 208, 112 – 122.
- Shenoy, S.U. and Shetty, N.A. (2018). *Front. Mater. Sci.*, 12, 74 – 82.
- Perumal, S., Bellare, P., Shenoy, S.U., Waghmare, U.V. and Biswas, K. (2017). *Chem. Mater.*, 29, 10426 – 10435.
- Shenoy S.U., Bhat, D.K. (2017). *J. Phys. Chem. C*, 121, 20696 – 20703.
- Sadiq, M.M.J., Shenoy, S.U. and Bhat, D.K. (2017). *J. Phys. Chem. Solids*, 109, 124 – 133.
- Sadiq, M.M.J., Shenoy, S.U. and Bhat, D.K. (2017). *Mat. Today. Chem.*, 4, 133 – 141.
- Bhat, D.K. and Shenoy S.U. (2017). *J. Phys. Chem. C*, 121, 7123 – 7130.
- Sadiq, M.M.J., Shenoy, S.U. and Bhat, D.K. (2017). *Adv. Sci. Eng. Med.*, 9, 115 – 121.

- Roychowdhury, S., Shenoy, S.U., Waghmare, U.V. and Biswas, K. (2017). *J. Mater. Chem. C*, 5, 5737 – 5748.
- Shenoy, S.U. and Shetty, N.A. (2017). *J. Nanofluids*, 6, 11 – 17.
- Shenoy, S.U., Waghmare, U.V., Lingampalli, S.R., Roy, A. and Rao, C.N.R. (2017). *Isr. J. Chem.*, 57, 477 – 489.
- Banik, A., Shenoy, S.U., Saha, S., Waghmare, U.V. and Biswas, K. (2016). *J. Am. Chem. Soc.*, 138, 13068 – 13075.
- Roy, A., Shenoy, S.U., Manjunath, K., Vishnoi, P., Waghmare, U.V. and Rao, C.N.R. (2016). *J. Phys. Chem. C*, 120, 15063 – 15069.
- Sadiq, M.M.J., Shenoy, S.U. and Bhat, D.K. (2016). *RSC Adv.*, 6, 61821 – 61829.
- Lingampalli, S.R., Manjunath, K., Shenoy, S.U., Waghmare, U.V. and Rao, C.N.R. (2016). *J. Am. Chem. Soc.*, 138, 8228 – 8234.
- Roychowdhury, S., Shenoy, S.U., Waghmare, U.V. and Biswas, K. (2016). *Appl. Phys. Lett.*, 108, 193901-1 – 193901-5.
- Shenoy, S.U., Gupta, U., Narang, D.S., Late, D.J., Waghmare, U.V. and Rao, C.N.R. (2016). *Chem. Phys. Lett.*, 651, 148 – 154.
- Roychowdhury, S., Shenoy, S.U., Waghmare, U.V. and Biswas, K. (2015). *Angew. Chem. Int. Ed.*, 54, 15241 – 15245.
- Subramanya, B., Bhat, D.K., Shenoy, S.U., Ullal, Y. and Hegde, A.C. (2015). *Int. J. Hydrogen Energy*, 40, 10453 – 10462.
- Subramanya, B., Ullal, Y., Shenoy, S.U., Bhat, D.K. and Hegde, A.C. (2015). *RSC Adv.*, 5, 47398 – 47407.
- Banik, A., Shenoy, S.U., Anand, S., Waghmare, U.V. and Biswas, K. (2015). *Chem. Mater.*, 27, 581 – 587.
- Shenoy, S.U. and Shetty, N.A. (2015). *J. Nanofluids*, 4, 428 – 434.
- Shenoy, S.U. and Shetty, N.A. (2014). *Appl. Nanosci.*, 4, 47 – 54.
- Shenoy, S.U. and Shetty, N.A. (2013). *Nanomater. Nanotechnol.*, 3, 5:2013.
- Shenoy, S.U. and Shetty, N.A. (2013). *J. Nanoeng. Nanomanuf.*, 3, 64 – 69.
- Shenoy, S.U. and Shetty, N.A. (2013). *Nano Trends: J. Nanotechnol. App.*, 14, 09734181.
- Shenoy, S.U. and Shetty, N.A. (2013). *Synth. React. Inorg. Met. Org. Nanomet. Chem.*, 43, 343 – 348.
- Shenoy, S.U. and Shetty, N.A. (2012). *J. ASTM Int.*, 9, JAI104416.

Honors/Awards:

- ★ Gold medal, B.Sc. (Botany Zoology Chemistry) at Mangalore University, Mangalagangothri (2007).
- ★ Institute gold medal (1st rank) and G.H Kulkarni gold medal, M.Sc. (Chemistry) at NITK, Surathkal (2009).
- ★ First 10 pointer (perfect score) of NITK, Surathkal.
- ★ NASI Young Scientist Platinum Jubilee Award - 2021, National Academy of Sciences India, Prayagraj (2021).