

PUBLICATIONS

International/National Journals (SCI/Scopus):

1. **Snehal K**, Priyanshu Sinha and Piyush Chaunsali, “Development of Extra-Terrestrial Concrete Made from Martian Regolith”, *Advances in Space Research, Elsevier publications*, <https://doi.org/10.1016/j.asr.2023.07.036> [IF: 2.611]
2. Shiv Sai Trivedi, B. B. Das, **Snehal K** and Salim Barbhuiya, “A Comprehensive Review towards Sustainable Approaches on the Processing and Treatment of Construction and Demolition waste”, *Construction and building materials, Elsevier publications*, 393, 2023, 132125 <https://doi.org/10.1016/j.conbuildmat.2023.132125> [IF: 7.693]
3. **Snehal K**, B. B. Das and Salim Barbhuiya, “Synergistic Effect of Nano Silica on Carbonation Resistance of Multi-Blended Cementitious Mortar” *Cement and Concrete Composite, Elsevier publications*, 141, 2023, 105125 <https://doi.org/10.1016/j.cemconcomp.2023.105125> [IF: 9.93]
4. B. P Sharath, **Snehal K** and B. B. Das, “Influence of Geopolymerization Factors on Sustainable Production of Pelletized Fly ash-based Aggregates Admixed with Bentonite, Lime and GGBS”, *Journal of materials in Civil Engineering, ASCE Publication (Status: Accepted)* [IF: 3.266]
5. **Snehal K**, B. B. Das and Salim Barbhuiya, “Influence of Aggressive Exposure on the Degradation of Nano-Silica Admixed Cementitious Mortar Integrated with Phase Change Materials”, *Construction and building materials, Elsevier publications*, 335, 2022, 127467. <https://doi.org/10.1016/j.conbuildmat.2022.127467> [IF: 7.693]
6. **Snehal K**, B B Das, Archana Sudi and Devendra Pandey, “Pozzolanic Reactivity, Hydration and Microstructural Characteristics of Blended Cementitious Composites Containing Ultrafine particles”, *Iranian Journal of Science and Technology-Transaction of Civil Engineering, Springer Publications*, 2022. <https://doi.org/10.1007/s40996-022-00859-0> [IF: 1.553]
7. **Snehal K** and B. B. Das, “Pozzolanic Reactivity and Drying Shrinkage Characteristics of Optimized Blended Cementitious Composites Comprising of Nano-Silica **Particles**”, *Construction and Building Materials, Elsevier publications*, 316, 2021, 125796. <https://doi.org/10.1016/j.conbuildmat.2021.125796> [IF: 7.693]
8. **Snehal K** and B B Das “Acid, Alkali and Chloride Resistance of Binary, Ternary and Quaternary blended Cementitious Mortar Integrated with Nano-Silica Particles”, *Cement*

- and Concrete Composite, Elsevier publications*, 233, 2021, 104214.
<https://doi.org/10.1016/j.cemconcomp.2021.104214> [IF: 9.93]
9. **Snehal K**, B. B. Das, “Effect of phase-change materials on the hydration and mineralogy of cement mortar”, Proceedings of Institute of Civil Engineers-*Construction Materials, ICE publication*, 2020, ISSN 1747-650X, <https://doi.org/10.1680/jcoma.20.00045> [IF: 1.29]
 10. **Snehal K**, B. B. Das and Sumit K, “Influence of integration of phase change materials on hydration and microstructure properties of nanosilica admixed cementitious mortar”, *Journal of Materials in Civil Engineering, ASCE publications*, 32(6), 2020, 04020108.
[https://doi.org/10.1061/\(ASCE\)MT.1943-5533.0003178](https://doi.org/10.1061/(ASCE)MT.1943-5533.0003178) [IF: 3.266]
 11. **Snehal K**, B. B. Das and Akanksha M “Early age, hydration, mechanical and microstructure properties of nano-silica blended cementitious composites”, *Construction and Building Materials, Elsevier publications*, 233, 2020, 117212.
<https://doi.org/10.1016/j.conbuildmat.2019.117212> [IF: 7.693]
 12. **Snehal K** and B. B. Das, “Mechanical and Permeability Properties of Hybrid Fibre Reinforced Porous Concrete”, 2019, Vol. 93 (1), pp. 54-59. [IF: 0.243]

Communicated Manuscripts

13. Sanjeeth Mishra, **Snehal K** and B. B. Das, “Development and performance of additive manufactured concrete-A Review” *Construction and Building Materials, Elsevier publications (Status: Under review)* [IF: 7.693]

Book Chapters

Scopus:

14. Vismaya K, **Snehal K** and B. B. Das, “Impact of Phase Change Materials on the Durability Properties of Cementitious Composites- A Review”, Recent Trends in Construction Technology and Management. Lecture Notes in Civil Engineering, vol 260, pp 71–82 Springer, Singapore. [DOI: 10.1007/978-981-19-2145-2_6](https://doi.org/10.1007/978-981-19-2145-2_6) [IF: 0.27]
15. **Snehal K** and B. B. Das, “Influence of Incorporating Phase Change Materials on Cementitious System – A Review”, *Recent Trends in Civil Engineering, Lecture Notes in Civil Engineering*, vol 105, 2020, pp. 33-63, *Springer, Singapore*, ISBN 978-981-15-8293-6. https://doi.org/10.1007/978-981-15-8293-6_4. [IF: 0.27]

16. Farsana C, **Snehal K** and B B Das, “Influence of fineness of mineral admixtures on the degree of atmospheric mineral carbonation”, Smart technologies for Sustainable development, *Lecture notes in civil engineering*, vol 78, 2020, pp. 117-136, *Springer Singapore*. ISBN 978-981-15-5001-0. [10.1007/978-981-15-5001-0_12](https://doi.org/10.1007/978-981-15-5001-0_12) [IF: 0.27]
17. **Snehal K** and B. B. Das, “Experimental set-up for thermal performance study of phase change material admixed cement composites -a review”, Smart technologies for Sustainable development, *Lecture notes in civil engineering*, vol 78, 2020, pp. 137-149, *Springer Singapore*. ISBN 978-981-15-5001-0. [10.1007/978-981-15-5001-0_13](https://doi.org/10.1007/978-981-15-5001-0_13) [IF: 0.27]
18. **Snehal K** and B. B. Das, “Application of Andreassen and Modified- Andreassen Model on Cementitious Mixture Design-A Review”, *Recent Developments in Sustainable Infrastructure. Lecture Notes in Civil Engineering*, vol 75, 2020, pp. 397-408, *Springer Singapore*, ISBN 978-981-15-4577-1. https://doi.org/10.1007/978-981-15-4577-1_63. [IF: 0.27]
19. **Snehal K** and B. B. Das, “Techniques for Preparation and Dispersion of Nano-SiO₂ in Cementitious System - A Review”, *Sustainable Construction and Building Materials, Lecture notes in civil engineering*, vol 25, 2018, pp. 397-408, *Springer Singapore*. ISBN 978-981-13-3317-0. https://doi.org/10.1007/978-981-13-3317-0_36. [IF: 0.27]

Non-Scopus:

20. B. B. Das and **Snehal K**, “Engineering Properties of Nanoparticles Admixed Concrete- A Review”, *Advances in Concrete, Structural and Geotechnical Engineering, Bloomsbury Publishing Plc*, 2018, pp. 190-195.

International/National conferences

21. Shaik Waseem Akram, Sumukh E P, **Snehal K** and B. B Das, “Performance Studies on Concrete Admixed with Spent Catalyst Waste for Sustainable Solutions” International Conference on Climate resilient Construction and Building Materials, 3rd – 5th March 2023, National Institute of Technology Karnataka, Surathkal, India.
22. Archana Sudi, **Snehal K** and B. B. Das, “Durability Properties of Nano-silica- A Review”, International Conference on Advances in Construction and Management, 11th – 12th March 2021, College of Engineering Pune, India.
23. **Snehal K** and B. B. Das, “Performance of Binary and Ternary Blended Cement Mortar Integrated with Fly Ash, Ultra-Fine Fly Ash and Nano Silica”, *16th NCB seminar on*

Cement, Concrete and Building Materials, 03-06 Dec 2019, New Delhi, India (*Special merit award*).

24. **Snehal K**, Archana Dinesh T and B B Das “Experimental investigation on the influence of phase change material (PCM) on the properties of cement mortar”, *4th UKIERI Concrete Congress- Concrete: The Global Builder*, March 5th – 8th, 2019, Dr B R Ambedkar National Institute of Technology Jalandhar, India.
25. **Snehal K**, Ammu Menon and B. B. Das “Early Age and Microstructure Properties of Cement Mortar Incorporated with Fly Ash, Ultrafine Fly Ash and Nano-SiO₂ Particles Authored by”, *Proceedings 3rd R. N. Raikar Memorial International Conference on Advances in Science and Technology of Concrete, Indian chapter of American concrete institute (ICACI)*, Dec 14th -15th, 2018, St Regis, Mumbai, India.
26. B. B. Das and **Snehal K**, “Engineering Properties of OPC and PPC Based Concretes Prepared with Minimum and Maximum Water-Cement Ratio”, *1st International Conference on Durability of Building and Infrastructure*, Jan 10th -12th 2018, Miri, Sarawak, Malaysia.
27. Harish K N R, **Snehal K**, Nagaraja K P and Prabhakara R “Investigations on In-plane shear strength using Push-off specimens with different clamping reinforcement”, 4th International Engineering Symposium (IES2015), March 4-6, 2015 at Kumamoto University, Japan.
28. **Snehal K**, Harish K N R and Prabhakara R “Investigation of in-plane shear strength on aggregate variation of using push-off specimens”, International conference on recent advances in engineering sciences (ICRAES-2014), Sep 4th -5th September, MSRIT, Bangalore.