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# Annexure

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## List of Publications

### (A) Papers in International Journals

1. Effect of Lithium Iodide on transport phenomenon in Lithium Borophosphate glass electrolyte.

**V A Adhwaryu, D K Kanchan**

Journal of Non-Crystalline Solids, 583 (2022), 121474 (I.F. 3.5)

<https://doi.org/10.1016/j.jnoncrysol.2022.121474>

2.  $Ag^+$  ion conduction in  $AgI - Ag_2O - B_2O_3 - P_2O_5$  glass electrolyte.

**V A Adhwaryu, D K Kanchan**

Materials Science and Engineering: B 263 (2021), 114857 (I.F. 3.6)

<https://doi.org/10.1016/j.mseb.2020.114857>

### (B) Papers in Conference/Symposium/Workshop Proceedings

1. Influence of lithium iodide on dielectric properties of lithium borophosphate glass system.

**V A Adhwaryu, D K Kanchan**, 14<sup>th</sup> National Conference on Solid State Ionics (NCSSI-14) 16-18 December, 2021, Organized by: Department of Physics & Astrophysics, University of Delhi, Delhi-110 007, AIP Conference Proceedings, Vol. 2352. No. 1, 2021.

2. Influence of  $LiI$  on dielectric properties of lithium borophosphate glass system.

**V A Adhwaryu, D K Kanchan**, 5<sup>th</sup> National e-Conference on Advanced Materials and Radiation Physics, 9-11 November 2020, Sant Longowal Institute of Engineering And Technology, Singrur (Punjab), AIP Conf. Proc. 2352, 020044-1–020044-5; <https://doi.org/10.1063/5.0053265>

3. Electrochemical Impedance Spectroscopy of sodium iodide doped sodium borophosphate glass system.

**V A Adhwaryu, D K Kanchan**, Indo-UK International virtual conference on Advanced Nano materials for energy and environmental application, 16-18 September 2020, ISBN: 978-93-5408-847-6.

4. Study on effect of  $LiI$  concentration on dielectric constant and "loss" in Lithium Borophosphate glassy electrolyte system.

**V A Adhwaryu, D K Kanchan**, 13<sup>th</sup> National Conference on Solid State Ionics (NCSSI-13), 16-18 December 2019, Department of Physics, Indian Institute of Technology Roorkee, Uttarakhand.

5. Ionic transport studies in silver borophosphate glass system with silver iodide.

**V A Adhwaryu, D K Kanchan**, 63<sup>rd</sup> DAE Solid State Symposium, 18-22 December 2018, Guru Jambheshwar University of Science and Technology (GUJS&T), Hisar, Haryana. Organized by: Bhabha Atomic Research Centre, Mumbai, Department of Atomic energy, Government of India, AIP Conference Proceedings 2115, 030268 (2019), <https://doi.org/10.1063/1.511310>