

LIST OF PUBLICATIONS

In Journals

- 1) “Conductivity and dielectric behaviour of PEO-PAM-NaCF₃SO₃ blend electrolyte system irradiated with swift heavy O⁶⁺ ion beam”.

Radiation Physics and Chemistry 161 (2019) 87–94.

- 2) “Dielectric relaxation and modulus studies of PEO-PAM blend based sodium salt electrolyte system”.

Indian Journal of Pure & Applied Physics Vol. 56, December 2018, pp. 978-988.

In Conference Proceedings

- 1) “Conductivity enhancement in Na⁺-blend electrolyte system via addition of (EC+PC) plasticizers” in 63rd DAE Solid State Physics Symposium (DAE-SSPS 2018), December 18-22 at Guru Jambheshwar University of Science and Technology (GJUS&T).

AIP Conference Proceedings 2115 (1), 030234 (2019)

- 2) “Conductivity Studies of Blend Polymer Electrolyte System Irradiated with Swift Heavy O⁶⁺ ion beam” in 62nd DAE Solid State Physics Symposium (DAE-SSPS 2017), December 26-30 at DAE Convention Centre Anushaktinagar, Mumbai.

AIP Conference Proceedings 1942 (1), 140087 (2018)

- 3) “Characterization of plasticized PEO-PAM blend polymer electrolyte system” in 61st DAE Solid State Physics Symposium (DAE-SSPS 2016), December 26-30 at KIIT University, Bhubaneswar, Odisha.

AIP Conference Proceedings 1832 (1), 140042 (2017)

4) “Effect of sintering on electrical properties of Yttrium doped Li-based NASICON compounds” in 4th National Conference on Advanced materials and Radiation Physics (AMRP-2015), March 13-14 at Sant Longowal Institute of Engineering and Tecchnology (SLIET), Longowal, Punjab.

AIP Conference Proceedings 1675 (1), 030059 (2016)

5) “Influence of Al₂O₃ Nano-Filler on Dielectric Properties and Conductivity of Two Different PVA-PEO Blend Systems” in 59th DAE Solid State Physics Symposium (DAE-SSPS 2014), December 16-20 at VIT University, Vellore, Tamilnadu.

AIP Conference Proceedings 1665 (1), 050175 (2015)

PRESENTATIONS

1. ***“Influence of EC-PC plasticizers on conductivity and dielectric properties of PEO-PAM-Na⁺ blend electrolyte system”*** at International Conference On Science & Engineering Of Material (ICSEM-2018) organised by School of Basic Sciences & Research, Sharda University, Greater Noida, India from 6th-8th January, 2018
2. ***“Swift heavy Ion induced modification in electrochemical properties of EC-PC plasticized blend polymer electrolyte system”*** at International Conference on Ion Beams in Materials Engineering and Characterizations (IBMEC 2018) organised by IUAC, New Delhi, India from 9th-12th October, 2018