|  |
| --- |
| **Publications 2020-2021** |
| **International Journal** | **National Journal** | **International Conference** | **National Conference** |
| 12 | NIL | 3 | NIL |

**International Journal:**

1. Structural correlation with the electrochemical properties of carbon nano-spheres/polyaniline nanocomposite films,  **Rashmi S Adoor**, Narasimha H Ayachit, Sushant A Haladkar, Srikrishna Saratale, Mangesh Desai, Kishor Upadhyaya,  Polymer Bulletin, (2021)
2. " Dielectric spectroscopy of ferroelectric crossbred PVDF –ZnO polymer composite thin films" **Sudheendra Kulkarni**, U. V.  Khadke, Shridhar N. Mathad, Journal of Nano and Electronic Physics, Vol.13, No.4, 2021.
3. "Stopping Power of TGS Crystals for Proton Beam at Ferro-paraelectric Phase Transition" Arundhati Patil, **Sudheendra Kulkarni**, Sangshetty Kalyani, and Udaykumar Khadke,  American Institute of Physics (AIP) conference proceedings Vol. 2352 , 2021.
4. “Ferroelectric domain switching using passage of energetic charged particles” A H Patil, **S S Kulkarni**, B R Khanam, U V Khadke,  Materials Today Proceedings,  2021
5. “Electric Poling effect on capacitance of Ferroelectric polymer composites”, **Sudheendra Kulkarni**, Arundhati Patil, and Udaykumar Khadke. in American Institute of Physics (AIP) conference proceedings Vol. 2352 , 2021.
6. Electro deposited Cobalt- Nickel Oxide (Co-Ni) Electrode for Supercapacitor, A. S. Devasthali, M. A. Sutar, P. B. Belavi, S. G. Khandalkar, High Technology Letters 27 (5), 541 -549, (2021)
7. NiCo2O4 nanoneedles decorated woven carbon fibres for electromagnetic shielding in X-band, K. Yadav, **C. Kotabage,** A. C. Abhyankar, Materials letters, 292, 129622 (2021)
8. "Study of electrochemical parameters of carbon-nano-spheres/polyaniline nano-composite**"** **R S Adoor**, S A Haladkar, P S Alegaonkar, N H Ayachit, AIP Conference Proceedings 2244 (1), 110010, (2020)
9. Synthesis and property analysis of poly-acryl-amide (PAM)/poly-vinyl-alcohol (PVA) blend thin films', **R S Adoor**, S A Haladkar, S G Adoor,  N H Ayachit , AIP Conference Proceedings 2269 (1), 030089, (2020)
10. Sintering temperature dependent structural and mechanical studies of BaxPb1−xTiO3ferroelectrics,  Sushat S. Kakati, Chidanandayya Hiremath, Shridhar Mathad, **Maruti Rendale**, Journal of Nano-and Electronic Physics, Vol. 12(4) 04018-1to 5 (2020)
11. “Ferroelectric polymer composite as radio absorbing material (RAM) for 5th generation stealth fighter aircraft”  Ayush Sharma, **Sudheendra S Kulkarni,** Udaykumar V Khadke, AIP Conference Proceedings, issue 1, Vol 2269, 030090 (12/10/2020).
12. G. P. Thomson’s experiment of electron diffraction, **C. Kotabage**, Resonance – Journal of Science Education, 25 (9), 1283-1286 (2020)

**International Conference:**

1. Can Fermi Energy be Estimated Experimentally?, **C Kotabage,**A. C. Abhyankar, American Physical Society March Meeting 2020.
2. Effect of Bi3+ Substituted on Structural, Electrical and Dielectric Properties of Ni-Mg Ferrites, **P. B. Belavi**, S. M. Patil, S. S. Potdar. K. A. Thabaj, S. A. Malladi, R. M. Kulkarni “International conference on Advances in Materials, Ceramics & Engineering Sciences (AMCES-2020)” held from 17th – 18th January 2020 at DSCE, Bangaluru
3. Photocatalytic degradation of enrofloxacin drug using novel ferromagnetic nano paticle, Sheela Kurdur, K. A. Thabaj, **P. B. Belavi** “International conference on Advances in Materials, Ceramics & Engineering Sciences (AMCES-2020)” held from 17th – 18th January 2020 at DSCE, Bangaluru