

Dr. Binata Panda

Assistant Professor,
Department of Physics
Indian Institute of Technology (ISM) Dhanbad
Email: binata@iitism.ac.in / binata.panda@gmail.com
☎: 0326-223-5117



List of Publications:

1. Majee, K.; Rai, S.; **Panda, B.** and Padhi, S. K.* A flexible homoleptic pentadentate Cu(II) molecular catalyst for effective proton and water reduction, *Electrochim. Acta*, 2020, 354, 136614. **Impact factor: 6.215**
2. **Padhi, S. K.***; Ahmad, E.; Rai, S.; **Panda, B.** Kinetics and Mechanistic study of Electrocatalytic Hydrogen Evolution by $[Co(Fc-tpy)_2]^{2+}$, *Polyhedron*, 2020, 187, 114677. **Impact factor: 2.343**
3. Karan, S., Banerjee, G., **Panda, B.*** Seeley-DeWitt coefficients in $N = 2$ Einstein-Maxwell supergravity theory and logarithmic corrections to $N = 2$ extremal black hole entropy, *Journal of High Energy Physics*, 2019, 2019(8), 56. DOI: 10.1007/JHEP08(2019)056, **Impact factor: 5.875**
4. Karan, S., Kumar, S., **Panda, B.*** General heat kernel coefficients for massless free spin-3/2 Rarita-Schwinger field, *International Journal of Modern Physics A*, 2018, 33 (11), 1850063. DOI: 10.1142/S0217751X1850063X, **Impact factor: 1.486**
5. Banerjee, G., **Panda, B.***, F-string solution in $AdS_4 \times CP^3$ pp-wave background, *International Journal of Modern Physics A*, 2017, 32 (1), 1750005. DOI: 10.1142/S0217751X17500051, **Impact factor: 1.486**
6. Majee, K.; Patel, J.; Rai, S.; Das, B.; **Panda, B.**; and Padhi, S. K.* Proton Reduction by a Nickel Complex with Internal Quinoline Moiety for Proton Relay, *Phys. Chem. Chem. Phys.*, 2016, 18, 21640 - 21650. **Impact factor: 3.430**
7. Bhattacharyya, S., **Panda, B.**, Sen, A., Heat kernel expansion and extremal Kerr-Newmann black hole entropy in Einstein-Maxwell theory, *Journal of High Energy Physics*, 2012, 2012(8), 84. DOI: 10.1007/JHEP08(2012)084, **Impact factor: 5.875**
8. Banerjee, S., Chakrabarti, S.K., Mukherji, S., **Panda, B.**, Black hole phase transitions Via Bragg-Williams, *International Journal of Modern Physics A*, 2011, 26, 3469. DOI: 10.1142/S0217751X11053845, **Impact factor: 1.486**
9. Chandrasekhar, B., **Panda, B.** Brane Embeddings in $AdS_4 \times CP^3$, *International Journal of Modern Physics A*, 2011, 26, 3469. DOI: 10.1142/S0217751X1105347X, **Impact factor: 1.486**
10. Antoniadis, I., Kumar, A., **Panda, B.**, Fermion wavefunctions in magnetized branes: Theta identities and Yukawa couplings, *Nuclear Physics B*, 2009, 823 (1-2), 116-173. DOI: 10.1016/j.nuclphysb.2009.08.002, **Impact factor: 2.817**
11. Antoniadis, I., Kumar, A., **Panda, B.**, Supersymmetric $SU(5)$ GUT with stabilized moduli, *Nuclear Physics B*, 2008, 795 (1-2), 69-104. DOI: 10.1016/j.nuclphysb.2007.11.008, **Impact factor: 2.817**