RESEARCH INTEREST: MATERIALS SCIENCE, NANOSCIENCE & NANOTECHNOLOGY.

LIST OF PUBLICATIONS

1. *RGO enveloped vertically aligned Co_3O_4 nanowires on carbon fabric: A highly efficient prototype for flexible field emitter arrays* by **P.Howli**, Swati Das, SubhajitSaha, Biswajit Das, ParthaHazra, DipayanSen andKalyan Kumar Chattopadhyay, **RSC Advances,** ISSN: 2046−2069.

2. *Co_3O_4 Nanowires on Flexible Carbon Fabric as a Binder-Free Electrode for All Solid-State Symmetric Supercapacitor*, **P. Howli**, S. Das, S. Sarkar, M.Samanta, K. Panigrahi, N. S. Das, and K. K.Chattopadhyay. **ACS Omega,** ISSN: 2470-1343.

3. *Facile synthesis of ZnPcnanoflakes for cold cathode emission* by M.Samanta , U. K.Ghorai, B. Das, **P.Howli** , S. Das, D. Sen and K. K.Chattopadhyay, **RSC Advances,** ISSN: 2046−2069.

4. *Chemically activated growth of CuO nanostructuresfor flexible cold cathode emission,* by K. Panigrahi, S. Das, S. Saha, B. Das, D. Sen, **P.Howli**and K. K. Chattopadhyay, **CrystEngComm,** ISSN: 1466-8033.

5. *Cu_2O/g-C_3N_4nanocomposites: An insight into the band structure tuning and catalytic efficiencies* byA. Mitra, **P. Howli**, D.Sen, B. Das and Kalyan Kumar Chattopadhyay, **Nanoscale,**ISSN: 2040-3372.

6. *All-amorphous CNT-MnO2 nanoflaky hybrid for improved supercapacitor application* by D. Ganguly, D. Pahari, N.S. Das, **P. Howli**, B. Das, D. Banerjee, K.K. Chattopadhya, **Journal of Electroanalytical Chemistry**. ISSN: 1572-6657.

7. *Novel Quaternary Chalcogenide/Reduced Graphene Oxide-Based Asymmetric Supercapacitor with High Energy Density* by S. Sarkar, **P. Howli**, B. Das, N. S. Das,

M.Samanta, G. C. Das, and K. K. Chattopadhyay, **ACS Applied materials & Interface**. ISSN: 1944-8244.

8. *Flower-like Cu_2NiSnS_4 microspheres for application as electrodes of asymmetric supercapacitors endowed with high energy density* by S. Sarkar, **P. Howli**, U. K. Ghorai, B. Das, M. Samanta, N. S. Das and K. K.Chattopadhyay, **CrystEngComm**. ISSN: 1466-8033.

9. *Porosity-tuned NiOnanoflakes: Effect of calcination temperature for high performing supercapacitor application* by M.Mondal, B. Das, **P. Howli**, N. S. Das and K.K.Chattopadhyay. **Journal of Electroanalytical Chemistry**. ISSN: 1572-6657.

10. *Enhanced electrochemical performance of amorphous carbon nanotube-manganese-di-oxide-poly-pyrrole ternary nanohybrid* by D. Pahari, N. S. Das, B. Das, **P. Howli**, K. K. Chattopadhyay and D.Banerjee, **Solid State Science**. ISSN: 1293-2558.

11. *Enhanced Electrochemical Performance of Copper Oxide Nanoparticle Decorated Amorphous Carbon Nanotubes* by D.Pahari, B. Das, N. S. Das, **P. Howli**, K. K. Chattopadhyay, S. Sarkar, D.Banerjee,**Advanced Science, Engineering and Medicine**. ISSN: 2164-6627.

12. *Recent Advancement of Metal Phthalocyanine As Electrode Material in Supercapacitor Applications* by M. Samanta, U. K. Ghorai, P. Howli, M. Mukherjee and K. K. Chattopadhyay, **Advances in Industrial Engineering and Management**. ISSN: 2222-7059.

13. *Three dimensional CuOnanoflakes on flexible carbon fabric for high performance supercapacitor* by P.Howli, S. Das, K.Panigrahi, M.Samanta, K. K Chattopadhyay, **AIP Conference Proceedings**.ISSN: 1551-7616.

14. *Facile synthesis of ZnPcnanocubes: An electron emitting material for field emission display devices* by M.Samanta, U. K Ghorai, M. Mukherjee, **P. Howli**, K. K Chattopadhyay, **AIP Conference Proceedings**.ISSN: 1551-7616.

NATIONAL AND INTERNATIONAL SEMINAR/CONFERENCE ATTENDED

1. *A controlled morphology of hierarchical Co_3O_4:CuO complex for a cold cathode emitter*, **PromitaHowli**, Swati Das and Kalyan Kumar Chattopadhyay, BPCR-2015, Jadavpur University.

2.*Chemically synthesized Co_3O_4/CuONanocomposite with improved electrochemical performances for high performance supercapacitor*, **PromitaHowli**, Swati Das, MadhupriyaSamanta, karamjyotiPanigrahi and K.K. Chattopadhyay, National Seminar on "Recent Advances in Materials Science", 2016, Belur Math, India [**ISBN: 978-81-928110-9-3**]

3. *Room temperature synthesis and visible light driven catalytic decomposition of dye by copper pthalocyaninenanorods*, MadhupriyaSamanta, Moumita Mukherjee, **PromitaHowli,** Uttam Kumar Ghorai, and K. K. Chattopadhyay, National Seminar on "Recent Advances in Materials Science", 2016, Belur Math, India [**ISBN: 978-81-928110-9-3**]

4. *High performance supercapacitor electrode based on unique hierarchical Co_3O_4/CuO nanostructures*, **PromitaHowli**, Swati Das, MadhupriyaSamanta and K. K. Chattopadhyay, "International conference on Energy, Functional Materials, and Nanotechnology- ICEFN 2016", Nainital, Uttarakhand, India.

5. *Chemically synthesized Co_3O_4 porous Nanorod with excellent electrochemical performance for high performance supercapacitor,* National Conference on "Nanotechnology: Materials and Applications (NCoN:M7A-2016)", **Promitahowli**, Swati Das, K. K. Chattopadhyay, Jadavpur University, India.

6. *Three Dimensional CuONanoflakes On Flexible Carbon Fabric For High Performance Supercapacitor*, "61st DAE Solid State Physics Symposium, Sponsored By Board of

Research in Nuclear Sciences Department of Atomic Energy Government of India", **P. Howli**, S. Das, K. Panigrahi, M. Samanta, and K. K. Chattopadhyay.

7. *Hierarchical Porous Co_3O_4/CuO Nanostructures For Energy Storage Application*, International Conference on Functional Materials (ICFM 2016) Organized by Materials Science Centre, IIT kharagpur, **P. Howli**, S. Das, M. Samanta and K.K. Chattopadhyay.

8. *Hierarchical Structures of Co_3O_4 Nanowires Composite with Reduced Graphene Oxide: Characterization and Supercapacitor Application*, International Conference On Microscope & XXXIX Annual Meeting of Electron Microscope Society of India Organised by Electron Microscope Society of India (EMSI)by **P. Howli**, S. Das, K. K.Chattopadhyay.