

Name: **Dr. Dhaneswar Das**

Date of birth: **01-01-1987**

Date of Joining: **01-08-2016**

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Present position: **Assistant Professor**

Qualification: **M.Sc., PhD**

Name of Examination	Board/University	Year	Rank	Division
HSLC	SEBA	2002		I
PU	AHSEC	2005		I
B.Sc	GU	2008		I
M.Sc.	TU	2010		I
PhD	TU	2015		

PhD topic: **Development of core-shell particles based on particles metal/semiconductor/polymer and their applications.**

Area of interest: **Polymer Chemistry**

Publications: **01 No of book chapters and 13 Nos papers**

Publications in international JOURNALS

1. **Dhaneswar Das**, Bikash C. Nath, Pinkee Phukon, Swapan K. Dolui. Synthesis and evaluation of antioxidant and antibacterial behavior of CuO nanoparticles. *Colloids and Surfaces B: Biointerfaces* **101**, 430--433, 2013.

2. **Dhaneswar Das**, Bikash C. Nath, Pinkee Phukon, Bhaskar J. Saikia, Isha R. Kamrupi, Swapan K. Dolui. Nickel oxide/polypyrrole/silver nanocomposites with core/shell/shell structure: Synthesis, characterization and their electrochemical behaviour with antimicrobial activities. *Materials Chemistry and Physics* **142**, 61--69, 2013.
3. **Dhaneswar Das**, Bikash Chandra Nath, Pinkee Phukon, Amarjyoti kalita, Swapan Kumar Dolui. Synthesis of ZnO nanoparticles and evaluation of antioxidant and cytotoxic activity. *Colloids and Surfaces B: Biointerfaces* **111**, 556--560, 2013.
4. **Dhaneswar Das**, Parag Choudhury, Lakhya J. Borthakur, Isha R. Kamrupi, Ujjal Gogoi, Swapan K. Dolui. Methanol vapor sensor based on poly(styrene-co-butylacrylate)/polypyrrole-EG core-shell nanocomposites. *Sensors and Actuators B* **199**, 320--329, 2014.
5. **Dhaneswar Das**, Parag Choudhury, Lakhya J. Borthakur, Bhaskar J. Gogoi, Alak K. Buragohain, Swapan K. Dolui. Synthesis and characterization of SiO₂/polyaniline/Ag core-shell particles and studies of their electrical and hemolytic properties: multifunctional core-shell particles. *RSC Adv.* **5**, 2360--2367, 2015.
6. Lakhya J. Borthakur, **Dhaneswar Das**, Swapan K. Dolui. Development of core-shell nano composite of poly (styrene-co-methyl acrylate) and bentonite clay by ultrasonic assisted mini-emulsion polymerization. *Materials Chemistry and Physics* **124**, 1182--1187, 2010.
7. Amar J. Kalita, Monalisha Boruah, **Dhaneswar Das**, Swapan K. Dolui. Ethylene polymerization on polymer supported Ziegler-Natta catalyst. *Journal of Polymer Research* **19**, 9892, 2012.
8. Bhaskar J. Saikia, **Dhaneswar Das**, Monalisha Boruah, Swapan K. Dolui. Synthesis and fluorescence properties of star-shaped polymers

- carrying two fluorescent moieties, *Polymer International* **63**, 1047--1055, 2014.
9. Chandramika Bora, Amar J. Kalita, **Dhaneswar Das**, Swapan K. Dolui, Pratip K Mukhopadhyay Preparation of polyaniline/nickel oxide nanocomposites by liquid/liquid interfacial polymerization and evaluation of their electrical, electrochemical and magnetic properties. *Polymer International* **63**, 445--452, 2014.
 10. Bikash C. Nath, **Dhaneswar Das**, Isha R. Kamrupi, Kiran J. Mohan, Gazi A. Ahmed, Swapan K. Dolui, An efficient quasi solid state dye sensitized solar cell based on polyethylene glycol/graphene nanosheet gel electrolytes, *RSC Adv.* **5**, 95385--95393, 2015.
 11. Pronob Gogoi, Dhaneswar Das, S. Sharma, S.K. Dolui, Synthesis and Characterization of *Jatropha Curcas* Oil-Based Alkyd Resins and Their Blends with Epoxy Resin, *J. Renewable Mater.* **3**, 2015, 151--159.
 12. **Dhaneswar Das**, Lakhya J. Borthakur, Bikash C. Nath, Bhaskar Jyoti Saikia, Kiran Jyoti Mohan and Swapan K. Dolui, Designing hierarchical NiO/PAni-MWCNT core-shell nanocomposites for high performance super capacitor electrodes, *RSC Adv.* 2016,**6**, 44878--44887.
 13. Bikash C. Nath, **Dhaneswar Das**, Jabbor Basumatary, Gazi A. Ahmed, Swapan K. Dolui, Highly Efficient Platinum Free Multi-Walled Carbon Nanotubes/Silver Nanocomposites as Counter Electrode for Dye Sensitized Solar Cell, *Chemistry Select* **1**, 2016, 1863--1869.
 14. **Dhaneswar Das**, Bikash C. Nath, Bhaskar J. Saikia, Swapan K. Dolui, Synthesis and applications of Cobalt oxide nanoparticles. (Under communicated)

PUBLICATION IN BOOKS

1. Bhaskar J. Saikia, **Dhaneswar Das**, Pronob Gogoi, **Designing self-healing polymers by atom transfer radical polymerization and click chemistry, in *Industrial Applications for Intelligent Polymers and Coatings***, Springer publication.