CURRICULUM VITAE

Dr. Shaishab Kumar Dinda

Assistant Professor & Officer-in-Charge (W.B.E.S)
Government General Degree College, Dantan-II)
Paschim Medinipur (721507), West Bengal, India
Mob.: +91 9732733693(Self)
Email: *shaishab.orgchem@gmail.com*

Education

2013 ***Ph.D in Chemistry***
Thesis Title: Self-Assembly of Arjunolic acid Derivatives and In Situ Generation of Soft-Materials by Aerobic Coupling of ß-Naphthols.
Vidyasagar University, West Bengal, India
Status: Ph.D awarded on February, 2013.

2003 ***Master of Science (M. Sc.) Degree in Chemistry (Organic Specialization)***
Vidyasagar University, West Bengal, India
Status: 1st class with 75.10% marks

2001 ***Bachelor of Science (B. Sc. with Honors in Chemistry)***
Vidyasagar University, West Bengal, India
Status: 1st class with 66.75% marks

Honors and Awards

Recipient of **National Scholarship** by the Government of India in the field of Chemistry for the session 2002-2003.

GATE (Graduate Aptitude Test in Engineering) 2003: Percentile Score: **94.14** (Ninety four point one four)

NET (National Eligibility Test) 2004: Achieved **CSIR** (Council of Scientific and Industrial Research) Fellowship: 2004

Mentoring Experience

I've mentored **24 Post graduate students** as a Project supervisor during my research tenure.

Research Skills

Multi-step synthesis, purification & spectral characterizations of organic molecules in general and various reactions on pentacyclic triterpene molecules such as Arjunolic acid in particular; Interpretation of IR, UV-VIS, Fluorescence, CD, NMR and Mass spectra of organic compounds. Handled various microscopes (Optical, SEM, TEM, AFM), various instruments e.g., IR, UV-VIS, Fluorescence, CD, HPLC etc.

Research paper published / communicated / manuscript under preparation, Presentation

1. *Self-assembly of ketals of arjunolic acid into vesicles and fibers yielding organogels.* . Braja G. Bag*, Rakhi Majumdar, **Shaishab K. Dinda,** Partha P. Dey, Gopal C. Maity, V. Ajay Mallia, Richard G. Weiss, ***Langmuir**, 2013, 29, 6, 1725-2092.*

2. *Self-assembly of Esters of Arjunolic Acid into Fibrous Networks and the Properties of their Organogels*. Braja G. Bag*, **Shaishab K. Dinda,** Partha P. Dey, V. Ajay Mallia, Richard G. Weiss, ***Langmuir***, 2009, 25, 8663-8671.

3. *A simple route for renewable nano-sized Arjunolic and Asiatic acids and self-assembly of arjuna-bromolactone*. Braja G. Bag*, Partha P. Dey, **Shaishab K. Dinda**, William S. Sheldrick and Iris M. Oppel***, Bielstein Journal of Organic Chemistry***, 2008, 4, No. 24-Published 09 July 2008.

4. *Triterpenes: Nature's Renewable and Non-toxic Gift for Nanoscience*. Braja G. Bag*****, **Shaishab K. Dinda**, Partha P. Dey and Chhabi Garai. Nanotoxicology, Abstract of **ICONTOX 2008**, Lucknow, India, February, 5-7, 2008, 2.

5. *Arjunolic acid: A renewable template in supramolecular chemistry and nanoscience.* Braja Gopal Bag* and **Shaishab Kumar Dinda**, ***Pure & Applied Chemistry***, 2007, 79(11), 2031-2038.

6. *Donor-Acceptor Interaction Promoted Gelation: Visual Observation of Color Change*. B. G. Bag*, G. C. Maity, **Shaishab K. Dinda**, ***Organic Letter***, 2006, 8, 5457-5460.

7. *Renewable nano-sized arjunolic acid derived organic soft-materials & assembly of CdS Nanoparticles.* Braja G. Bag*, **Shaishab K. Dinda,** Partha P. Dey, V. Ajay Mallia, Richard G. Weiss***, manuscript under preparation***.

8. *Fibrillar Networks and Spherical aggregations by self-assembly of Aryl methylesters of Arjunolic acid*. Braja G. Bag*, **Shaishab K. Dinda,** *manuscript under preparation.*

9. *An aerobic coupling of ß-naphthols leading to nano-sized vesicles, fibrils and nano-tubules in organic solvents*. Braja G. Bag*, **Shaishab K. Dinda,** *manuscript under preparation.*

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- *Self-assembly of Esters of Arjunolic Acid into Fibrous Networks and the Properties of their Organogels*. Braja G. Bag*, **Shaishab K. Dinda,** Partha P. Dey, V. Ajay Mallia, Richard G. Weiss, ***Langmuir***, 2009, 25, 8663-8671.

Patent

- *A Renewable Template in Supramolecular Chemistry and Nano-science.* Braja G. Bag, **Shaishab K. Dinda** and Partha P. Dey, ***Indian patent no.1161/KOL/2008.***

Presentation

1. *Renewable Nano-sized Chiral Triterpenoid Arjunolic Acid Derived Helical Nano-vesicles and thermochromic materials***. Shaishab Kumar Dinda**, Braja Gopal Bag*. Poster presentation at 12th CRSI National Symposium in Chemistry, February 5-7, 2010, held at Indian Institute of Chemical Technology, Hyderabad, India.

2. *Nano-sized vesicles, nano-fibrils and nano-tubules during aerobic coupling of* ß-naphthols *in organic solvents*. **Shaishab Kumar Dinda** and Braja Gopal Bag*. Poster presentation at One day National Symposium on Frontiers in Chemical Sciences-2010, March 31, 2010 in the Department of Chemistry & Chemical Technology, Vidyasagar University Midnapore, West Bengal, India (**Awarded 1st prize**).

3. *Visual Detection of Electron Defficient Aromatics.* Rakhi Majumdar, Partha P. Dey, **Shaishab K. Dinda** and Braja G. Bag*, Poster presentation at One day National Symposium on Frontiers in Chemical Sciences-2010, March 31, 2010 in the Department of Chemistry & Chemical Technology, Vidyasagar University Midnapore, West Bengal, India.

4. *Renewable Nano-sized Chiral Triterpenoid Arjunolic Acid Derived Helical Nano-fibers, Nano-vesicals and Thermochromic Materials.* Partha P. Dey, **Shaishab K. Dinda**, Rakhi Majumdar and Braja G. Bag*, Poster presentation at One day National Symposium on Frontiers in Chemical Sciences-2010, March 31, 2010 in the Department of Chemistry & Chemical Technology, Vidyasagar University Midnapore, West Bengal, India.

5. *Nano-building Blocks from Green Resources: Formation of Nano-sized Vesicles and Helical nano-fibers and, Visual Observation of a Dynamic Soft-Material.* **Shaishab K. Dinda**, Partha P. Dey, chhabi Garai, Rohit Roy and Braja Gopal

Bag*. Poster presentation at 11th CRSI National Symposium in Chemistry, February 6-8, 2009, held at National Chemical Laboratory, Pune, India.

6. *An Aerobic coupling of ß-naphthols Leading to Nano-sized Vesicles, Nano-fibrils and Nano-tubules in Organic Solvents.* **Shaishab K. Dinda**, Rohit Roy and Braja G. Bag*, Poster presentation at One day National Symposium on Frontiers in Chemical Sciences-2009, February 25, 2009 in the Department of Chemistry & Chemical Technology, Vidyasagar University Midnapore, West Bengal, India.

7. *Nano-building Blocks from Green Resources: Formation of Nano-sized Vesicles and helical Nano-Fibers and, Visual Observation of a Dynamic Soft-Material.* **Shaishab K. Dinda**, Partha P. Dey, Chhabi Garai, Rohit Roy, Rakhi Majumdar and Braja G. Bag*, Poster presentation at One day National Symposium on Frontiers in Chemical Sciences-2009, February 25, 2009 in the Department of Chemistry & Chemical Technology, Vidyasagar University Midnapore, West Bengal, India.

8. *Triterpenes: Nature's Renewable and Non-toxic Gift for Nanoscience.* **Shaishab K. Dinda**, Partha P. Dey, Chhabi Garai, Braja G. Bag*. Poster Presentation at ICONSAT-2008 held at Chennai, India.

9. *Triterpinic acids Renewably Resourced from Terminalia Arjuna in Supramolecular Chemistry and Nano-science*. **Shaishab K. Dinda**, Partha P. Dey, Braja G. Bag. Poster presentation at 2nd Mid year symposium of CRSI, July-19, 2007, held at Department of Chemistry, IIT-Guwahati.

10. *Arjunolic Acid: A Promising New Chiral Building Block in Supramolecular Chemistry and Nano-Science.* **Shaishab Kumar Dinda**, Braja Gopal Bag*. Poster presentation at 9th CRSI National Symposium in Chemistry, February 1-4, 2007, held at Department of Chemistry, University of Delhi.