

Bhuvaneshwar D,
#4/176, 2nd Floor,
II Cross, NGGO's Colony,
Bagalur Road, Avalapalli Panchayat,
Hosur – 635 109, Krishnagiri District,
TamilNadu, INDIA.

Mobile : +91- 8825769125
Email : bhuvaneshwar.d@gmail.com

Career goals:

To work and grow with an organization of learning, producing well rounded individuals with holistic development of academic as well as life skills.

Career interests are teaching (Physics/Chemistry/Bushcraft), teacher training, counseling and action research in the field of pedagogy and education.

Education

1. Bachelor of Education (B. Ed) (75.6%)
Tamil Nadu Teachers Education University (June 2014 - May 2015)
1. M. Sc (Analytical Chemistry) (GPA 9.05/10.00)
VIT University, Vellore, India (August 2006 - August 2008)
2. B. Sc (Physics, Chemistry, Mathematics) (78.99 %)
Christ College (Bangalore University), Bangalore, India (July 2003 - July 2006)

Diploma

Honour's diploma in Space Sciences, Indian Space Research Organization (ISRO), (2005)

Special Course

Basic course for scout masters, January 2014

Certificate Course

Personality Augmentation and Confidence Enrichment (PACE), VIT University, (2007)

Awards and Fellowships

1. 1st Place, Electrochemical Society Canadian Section Fall Symposium, London (ONT),
September 2010
2. Prof. Kaushal Kishore Memorial Fellowship, Department of Inorganic and Physical
Chemistry, Indian Institute of Science, Bangalore, June 2007
3. Award for academic excellence, Christ College, Bangalore, 2004 & 2005.
4. TVS Award for Academic Merit, TVS Motor Company, Hosur, October 2001.

Conferences Attended

1. NACE Eastern Area Conference, Ottawa, Canada, August 2011.
2. Electrochemical Society (Canadian Section) Fall Symposium, London (ONT), Canada, September 2010.

Publications (Chemistry)

1. Bhuvaneshwar Dharmalingam and Murthy Chavali. Fighting corrosion the nano-way. Indian Journal of Nanoscience and Technology (Accepted manuscript, In press);
2. Bhuvaneshwar Dharmalingam and Murthy Chavali. Nanotechnology in corrosion resistance. Nanodigest. January 2013. pp. 42-44.

Publications (Literature)

16 of my articles (Poems, stories and articles) have been published so far, in the Tamil web journal Vallamai (www.vallamai.com).

The complete list of my publications in Vallamai is available through the following URL: www.vallamai.com/?author=210;

Professional Experience

1. Vice principal – Oxaliss International School, Thatchur, Kallakurichi (September 2017 till date)
2. Head of Operations and Faculty in Chemistry – T.I.M.E, Bangalore; (March 2015 – September 2017)
3. PG-Teacher and science coordinator, TALS (October 2013 - July 2014)
4. Research Associate and Faculty (Nanotechnology), NICHE (August 2011 – August 2013)
5. The University of Western Ontario, London, Canada (September 2009 – August 2011)
 - a. Teaching and Research Associate (September 2009 - August 2011)
 - b. Senator, University Senate Review Board Academic (June 2010 - June 2011)
6. Community Service – Free tuitions/coaching to the economically backward students of my town (Hosur), as a way of giving something back to the society before I embarked on my career. (August 2008 – August 2009)

Major Past Responsibilities

1. **Senator (Graduate student member), Senate Review Board Academic (SRBA), The University of Western Ontario**
Responsibilities include viewing appeals on disciplinary actions and voting for/against the same and contributing to policy makings.
2. **Responsible for hazardous waste disposal**
Responsibilities include taking care of and overseeing the proper labelling, storage, logistics and disposal of hazardous chemical wastes from the research laboratory at UWO.
3. **Content development and curriculum Design (The Ashok Leyland School, Hosur)**
Responsible for designing the curriculum, delivery of daily lessons and activity based learning of Science in The Ashok Leyland School, Hosur, in collaboration with the **British Council (GTA)**.
4. Chemistry lab design and facelift (The Ashok Leyland School, Hosur).
5. Teacher training and Mentoring, TIME, Bangalore.
6. Career guidance for students of class X, XI and XII, TIME, Bangalore.
7. **Vice Principal, Oxaliss International School, Thatchur;**
 - a. Responsible for maintenance of infrastructure;
 - b. Responsible for teacher training and class observations/feedback;
 - c. Responsible for scheduling the classes;
 - d. Head of *Grievance and Redressal* committee;
 - e. Head of the Department of Science and Chemistry faculty (CBSE/IIT-JEE/NEET)
 - f. In charge of Scouts and Guides;
 - g. Content development for classes 6 – 10 (Foundation in Science/Maths and Verbal Ability);
 - h. Laboratory design (Physics, Chemistry & Biology);
 - i. Marketing strategy/Enrolment strategy
 - j. Monitoring classroom delivery and ensuring the quality set as benchmark is met.
 - k. Teacher/Staff appraisal (part of the management team)

Technical Skills

1. Nano-Analytical Microscopy

- a. Scanning Electron Microscope (SEM)
- b. Focused Ion Beam/Scanning Electron Microscope (FIB/SEM)
- c. Scanning Electron Microscope/Electron Back Scattering Detector (SEM/EBSD)
- d. Atomic Force Microscope (AFM)

2. Electrochemical methods

- a. Voltammetric methods
- b. Rotating Disk Electrode (RDE)
- c. Rotating Ring Disk Electrode (RRDE)
- d. Anodic & cathodic Stripping Voltammetry
- e. Polarographic methods
- f. Electrochemical Impedance Spectroscopy (EIS)
- g. Potentiostatic & Galvanostatic methods
- h. Ion selective electrodes

3. Spectroscopy

- a. Infrared Spectroscopy (FTIR)
- b. Raman Spectroscopy
 - i. Time Resolved Resonance Raman Spectroscopy (TRRS)
 - ii. Confocal Raman Microscope
 - iii. FT-Raman
- c. UV-Visible and Fluorescence spectrometry
- d. Atomic Absorption Spectroscopy
- e. ICP-AES
- f. ICP-MS
- g. ToF-SIMS
- h. Ar-ion and Nd:YAG Lasers

4. Other Equipments

- a. H₂ - Mg Reduction furnace
- b. High Pressure Vessel (Built in house for corrosion studies)
- c. Fluidized Bed Furnace and Muffle Furnace
- d. Geiger-Muller counter and γ - cell irradiation unit (for radiation induced chemistry studies)

Miscellaneous

1. pH Meters, Conductivity meters and MilliQ Water System
2. HPLC, GC
3. Glove Box/Anaerobic Chamber
4. Metal Polishing Mill and accessories

Softwares and computer skills

1. MS-office and Prezi
2. LaTeX
3. Adobe Photoshop CS6
4. Origin 8.0
5. Corrware, Corrview, ZPlot, ZView

Hobbies

1. Creative writing and poetry (English and Tamil);
2. South Indian classical music;
3. Cooking;
4. Camping and terrace gardening, organic home produce and domestic mushroom farming;

Languages known

Malayalam, Tamil, Samskrutham, Kannada, Telugu, Hindi and English

Reference(s)

- 1. Mrs. Manjula Raman,**
Former Principal, Army Public School,
K. Kamaraj road, Bangalore – 560 042,
Karnataka, INDIA.
Mobile: +91-9448042138
Email: manjularaman@gmail.com

- 2. Mrs. Sudakshina,**
Principal, Shemford School,
Madhagondapalli, Hosur – 635 109,
Tamil Nadu, INDIA.
Mobile: +91-9566265276
Email: ssudhakshina@gmail.com