

Mamatha Hopanna

Phone: 443-345-7367
Email: gvmamta@gmail.com

Education

Current, PhD (Environmental Engineering), University of Maryland Baltimore County, Maryland, USA (CGPA 3.667/4.00)

May 2007, B.E. (Civil Engineering), Malnad College of Engineering, Hassan, Karnataka, India (CGPA 3.7/4.00)

Work History

August 2015 – Current, Graduate Research Assistant

Department of Chemical, Biochemical and Environmental Engineering, University of Maryland Baltimore County.

At present, I am working with Dr. Lee Blaney on fate and photolytic transformation of organometallic chemicals at environmental wavelengths. Project involves development of analytical method using SPE-HPLC-ESI-MSMS or IC-ICP-MS. Also, photodegradation experiments to identify and study transformation products.

July 2007 – May 2008, Junior Engineer, Customer Support and Structural Design

CONFIDENT GROUP, Bangalore, India (Engineering firm serving Infrastructure and commercial clients).

I discussed, analyzed and finalized the architectural design with the In-house team for approval, while coordinating with the clients and site personnel. Regularly visited site to check the quality of construction and work as per client inputs. Also, worked out the estimates based on the inputs from the clients.

July 2008 to Aug 2010 (Part time), Engineer, Planning and Estimation Department

SCORPION GROUP Pvt Ltd, Hassan, India (Engineering firm serving Infrastructure)

I handled cost-of-materials estimations, report and document tracking, project documentation, invoice/agreement verification and building permit applications.

Projects and Presentations

Nicholas Rogers, Utsav Shashvatt, Mamatha Hopanna, Robert Burton, Erin Stapleton, John Kemper, Dr. Lee Blaney, "Broadwater Water Reclamation Facility" CWEA 2014 Student Design Competition, Maryland.

Nicholas Rogers, Utsav Shashvatt, Mamatha Hopanna, Robert Burton, Erin Stapleton, John Kemper, Dr. Lee Blaney, "Broadwater Water Reclamation Facility" WEFTEC 2015 Student Design Competition, Chicago.

Awards

1st place, "Broadwater Water Reclamation Facility" CWEA 2014 Student Design Competition, Maryland.

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Laboratory Skills

UV/VIS Spectrophotometry, High Pressure Liquid Chromatography (HPLC), Electrospray Ionization Mass Spectrometry (ESI-MS)

Computer Skills

C, AutoCAD, STAAD-Pro, Microsoft Office 2007, 2010, 2013, Windows 7, ANSYS

Courses at Graduate Studies

Environ Physico-chem Proc, Enviro Risk Assessment, Environmental Chemistry, Groundwater Hydrology, Environmental Biological Processes, Air Pollution.

References

Dr. Lee Blaney, Chemical, Biochemical and Environmental Engineering,
University of Maryland Baltimore County, Email: blaney@umbc.edu