

GENERAL INFORMATION

Fall 2018-onwards Professor, Purdue University Northwest, Hammond, IN 46323
2012-2018 Associate Professor, Purdue University Northwest, Hammond, IN 46323
2008–2012 Assistant Professor, Purdue University, Calumet, Hammond, IN 46323

Academic Degrees Earned:

1997 PhD, Civil Engineering – Indian Institute of Technology, Madras, India
1990 Master of Engineering, Civil Engineering, Annamalai University, Tamil Nadu State, India. (First class with Distinction, University 1st Rank)
1985 Bachelors in Engineering, Civil Engineering, Annamalai University, Tamil Nadu State, India. (First class with Distinction, University 4th Rank)

Post Doctoral Research (as Scientist and Visiting Prof), University of Kentucky, USA

Non-Purdue University Professional Experience

(i) Academic Appointments

2004-08 Scientist III & Visiting Professor, Kentucky Water Resources Research Institute (KWRI), Department of Civil Engineering, University of Kentucky, Lexington, KY.
2004 Associate Professor of Civil Engineering, Department of Civil Engineering, Indian Institute of Technology, Guwahati, Assam State, India.
2003-04 Visiting Professor of Civil Engineering, Department of Civil Engineering, University of Kentucky, Lexington, KY.
1999-03 Assistant Professor, Department of Civil Engineering, Indian Institute of Technology, Guwahati, Assam State, India.
1997-99 Lecturer, Department of Civil Engineering, National Institute of Technology, Tiruchirappalli, Tamil Nadu, India.
1992-95 Teaching Assistant, Department of Civil Engineering, Indian Institute of Technology, Madras, Tamil Nadu, India .

(ii) Non Academic Appointments

1987-92 & 1995-97 Assistant Engineer, Water Resources Organization, Tamil Nadu Public Works Department, Government of Tamil Nadu, India.
1986-87 Engineering Trainee, Fortune International Pvt. Ltd, Chennai, Tamil Nadu, India.

Licenses, Registrations, and Certifications

2006 - Present **Professional Engineering (PE)** License, State of Ohio # #71449.

Awards and Honors

Awards

- i. TIP Award, 2018
- ii. Outstanding Teacher Award for Purdue University Calumet 2015- 2016
- iii. Faculty Fellow to Interim Associate VCAA – Fall 2016
- iv. NSF TUES Grant – Awarded during 2013
- v. College of Engineering and Science Excellence in Sponsored Grant Award 2013
- vi. Purdue PRF Summer Research Grant Recipient, 2011
- vii. Type III Experiential Course Development Award, 2009
- viii. Distance Education Certification from PUC

- ix. KWRRI Summer Research support, Summer 2009
- x. Post Doctoral Research Fellowship, EPA project, University of Kentucky, USA, 2003-2004
- xi. Research Fellowship, Indian Institute of Technology, Madras, India, 1992-1995
- xii. National Merit Scholarship, Government of India, 1979-1985

Memberships in Academic, Professional & Scholarly Societies

- i. 2003-Present Member, American Society of Civil Engineers (ASCE).
- ii. 2016-Present American Society of Engineering Education (ASEE)
- iii. 2006-Present Professional Engineer.
- iv. 1985-Present Member, Indian Association of Hydrologists.
- v. 1985-1993 Institution of Engineers, India.

Published Work

1. N Al Aamery, JF Fox, M Snyder, CV Chandramouli, (2018), Variance analysis of forecasted streamflow maxima in a wet temperate climate, *Journal of Hydrology* 560, 364-381.
2. Chandramouli, C.V., Buddaraju, S., Kaoukis, N., (2017) Finding landcover change impacts on low flow regimes to help watershed management, *Journal of Water and Climate Change*, IWA Publishing, 9(1), 196-206 <https://doi.org/10.2166/wcc.2017.040>.
3. Chandramouli, C.V., Kaoukis, N., Karim, M., Dorworth L, (2017) "Uses of Precipitation Based Climate Indices in Drought Characterization", *ASCE Journal of Hydrologic Engineering*, Vol. 22 (8) [https://doi.org/10.1061/\(ASCE\)HE.1943-5584.0001536](https://doi.org/10.1061/(ASCE)HE.1943-5584.0001536).
4. Song, A. and V.Chandramouli, (2013). "Modified Relative Strength Effect to Facilitate Artificial Neural Network Development for Hydrologic Data." *ASCE J. Hydrol. Eng.*, 18(12), 1758–1766.
5. Song, A.N., V.Chandramouli, Gupta, N, 2012, Analyzing the inflow trends in Indiana Reservoirs using Self Organizing Maps, *ASCE Journal of Hydrologic Engineering*, 17(8), 880-887.
6. Dharman, S., V.Chandramouli, Lingireddy, S., 2012, Predicting Total Organic Carbon (TOC) Removal Efficiency and coagulation dosage using Artificial neural networks, *Environmental Engineering Science*, 29(8): 743-750. doi:10.1089/ees.2011.0170.
7. Deka, P., V.Chandramouli, (2009), Fuzzy Neural Network Modeling of Reservoir Operation, *ASCE, Journal of Water Resources Planning and Management*, 135(1), 5-12.
8. Fox, J.F, V.Chandramouli, Brion, G., Thompson., N, (2009), Classification of Erodible Soils Using Artificial Neural Networks and Biogeochemical Indicators, *Environmental Engineering Science*, 26(3), 567-577.
9. Tyagi, P., V.Chandramouli, Lingireddy, S., Buddhi, D., (2008), Relative performance of artificial neural network and regression models in predicting missing water quality data, *Environmental Engineering Science*, 25(5), 657-668.
10. Chandramouli, V. Neelakantan, T.R., Brion, G.M., and Lingireddy, S. (2008), Predicting Enteric Virus Presence in Surface Waters Using Artificial Neural Networks, *Environmental Engineering Sci.*, 25:1:62-71.
11. V.Chandramouli, S.Lingireddy, Brion, G. (2007), A Robust Training Terminating criterion for Back Propagation ANNs applicable to small datasets, *Journal of Computing in Civil Engineering*, ASCE, Vol.21(1), 39-46.
12. T.R.Girija., C. Mahanta., V. Chandramouli (2007).Water Quality Assessment of an Untreated Effluent Impacted Urban River: The case of the Bharalu Tributary of the Brahmaputra River, India. *Environmental monitoring and assessment*, 130,221-236.
13. V.Chandramouli, Brion, G., T.Neelakantan, S.Lingireddy (2006), Backfilling missing microbial concentrations in a riverine database using artificial neural networks *Water Research*, Elsevier, 41, 217-227.
14. Deka, P., V.Chandramouli, (2005), Fuzzy Neural Network model for river flow prediction, *Journal of Hydrologic Engineering ASCE*, 10(4), 302-314.
15. Ramesh, S.V.T, V.Chandramouli, (2005), Improved weighing methods, deterministic and stochastic data driven models for estimation of missing precipitation records, *Journal of Hydrology*, Elsevier, 312, 191-206.
16. V.Chandramouli, Deka, P., (2005), Neural network based decision support system for optimal reservoir operation, *journal of water resources management*, Kluwer academic publishers, Springer, 19, 447-464.
17. Brion, G, V.Chandramouli, T.R.Neelakantan, Lingireddy, S, Girones, R, Lees, D, Allard, A and Vantarakis, A, (2005), Artificial Neural Network prediction of viruses in Shellfish, *Applied and Environmental Microbiology*, American Society of Microbiology, Sep, 5244-5253.
18. V.Chandramouli, Baleshwar Singh, Prajnan Goswami (2004), Study on Bankline migration of Brahmaputra river in Dhubri region, Assam using remote sensing imageries, *Indian Journal of Hydrology*, Indian Association of Hydrologists, Roorkee, India, 8(3), 22-25.

19. Paresh Deka, V.Chandramouli, (2003), Fuzzy-neural network model for deriving river stage-discharge relationship, Hydrological Sciences Journal, Oxford, 48(2), 197-209.
20. V.Chandramouli, K.A.Kuppusamy, K.Manikandan, (2002), Study on water sharing in a multi reservoir system using dynamic programming – neural network model, International Journal of Water Resources Development, Vol.18 (3), 425-438.
21. Chandramouli, V., and Raman, H., (2001), Multi Reservoir modeling with dynamic programming and neural network, JI of Water Resources Planning & Management, ASCE, 127(2), 89-98.)
22. H.Raman, V.Chandramouli, (1996), Deriving a general Operating Policy for reservoir using Neural Network, Journal of Water Resources Planning and Management, ASCE, 122(5), 342-347.

(ii) Refereed Conference Proceedings

23. K. Sharma,, C.V.Chandramouli, X.Wang, J. Moreland, C. Zhou, Interactive Septic System Model for Education and Outreach activities, ASCE EWRI Congress 2019, Pittsburgh, OH.
24. C.V.Chandramouli, A.Galarza, E. Laviolate, S.Pollard, K.Tracy, Evaluating the new high flow channel performance in Little Calumet River System, Northwest Indiana, ASCE EWRI Congress 2019, Pittsburgh, OH.
25. C,V,Chandramouli, E.Hixon, C. Zhou, J. Moreland, J.Wang, Z. Xiong, R.Teegavarappu, P. Behera, J.Fox, Evaluating the usefulness of Virtual 3D lab modules developed for a flooding system in student learning, ASEE, 123rd Annual Conference & Exposition, New Orleans, LA, June 2016. Paper ID#17064:
26. C.V.Chandramouli, Z.Ziong, M.J.Wang, J.Moreland, C.Zhou, R.S.V.Teegavarappu, J.Fox, P.Behera, E. Hixon, Virtual 3D modeling for Little Calumet River Flood Inundation Studies, EWRI Congress 2016, May 2016 at West Palm Beach, FL.
27. C.V.Chandramouli, X. Wang, L.Sian, J.Moreland, C.Zhou, 2016, Virtual 3D Groundwater Solute Transport Modules for Simulating the Underground Pipe Failure, EWRI Congress 2016, May 2016 at West Palm Beach, FL.
28. Behera, P., Teegavarappu, R.S.V, C.V.Chandramouli, 2016, Tracking Changes and Trends in the Potomac River System Flow Extremes and Characteristics, EWRI Congress 2016, May 2016 at West Palm Beach, FL.
29. V.Chandramouli, Karim, M., Examining the Influence of Flow Diverter Constructed to mitigate flood in Little Calumet River using Unsteady Flow Simulation with HEC RAS Modeling, EWRI Congress 2015, May, 2015 at Austin, TX.
30. V.Chandramouli, Karim, M., Non Point Source Pollution Modeling using NSPECT Model to facilitate Watershed Planning, accepted for EWRI Congress 2015, EWRI Congress 2015, May, 2015 at Austin, TX.
31. Kaoukis, N., Sean, L, V.Chandramouli, Moreland, J., Dorworth, L., Zhou, C., Visualizing Tool to Study the Influence of Landuse and Climate Variables over Watershed Runoff, EWRI Congress 2015, May, 2015 at Austin, TX.
32. He, M., V.Chandramouli, Pai, B, Analyzing the Trends of monthly Great Lakes Levels using modified Mann Kendall Test, EWRI Congress 2015, May, 2015 at Austin, TX.
33. Dillman, M., Snyder, D., V.Chandramouli, 2013, Calibrating a Sanitary Sewer System for Low and High Flows, ASCE EWRI Congress, World Environmental and Water Resources Congress, 2013 held at Cincinnati, May 20-22, Ohio, USA.
34. V.Chandramouli, Mohammad, K., Teegavarappu, R., 2013, Examining Climate Indices in the Midwest Region to Examine Droughts, ASCE EWRI Congress, World Environmental and Water Resources Congress, 2013 held at Cincinnati, May 20-22, Ohio, USA.
35. Kaoukis, N., Chandramouli, V., Dorworth, L.,2013, Influence of Land Use, Precipitation and Mean Monthly Temperature on High Flow Trends in an Urban Watershed, ASCE EWRI Congress, World Environmental and Water Resources Congress, 2013 held at Cincinnati, May 20-22, Ohio, USA.

36. Zeng, L, V.Chandramouli, Brion, G., 2012, Analyzing the Low Flow Trends in Northwest Indiana Using Neural Network, World Environmental and Water Resources Congress, 2012 held at Albuquerque, May 20-24, New Mexico, USA, 1172-1178.
37. Teegavarapu, R.S.V, Goly, A., V.Chandramouli, Behera, P., 2012, Precipitation Extremes and Climate Change: Evaluation Using Descriptive WMO Indices, World Environmental and Water Resources Congress, 2012 held at Albuquerque, May 20-24, New Mexico, USA, 1927--1936.
38. Zeng, L, V.Chandramouli, 2012, Analyzing the Influence of Large Wind Farms over Rainfall Pattern Using Radar Data, World Environmental and Water Resources Congress, 2012 held at Albuquerque, May 20-24, New Mexico, USA, 3764-3769.
39. Zeng, L, V.Chandramouli, Pathak, C.S., Teegavarapu, R.S.V, 2012, Radar Specific Z-R Relationships Using ANN Models, World Environmental and Water Resources Congress, 2012 held at Albuquerque, May 20-24, New Mexico, USA, 3918-3923.
40. Chandramouli, V., Moreland, J., Guo, S., Zhou, C.Q., 2011, Usefulness of virtual 3D modeling to visualize the effect of uncertain data in groundwater solute transport, ASME WINVR conference, June, Milan, Italy 2011 WINVR 2011-5594, 1-5.
41. Petrovic, V, Kaiser, J., Chandramouli, V., Nnanna, AG.A, 2011, Tracking potential trends in the discharge into lake Michigan, EWRI ASCE conference, 22nd May 2011, Palm Springs, CA, 4544-4553.
42. Narayana, M, Chandramouli, V., 2011, Advantages of using NEXRAD data in watershed rainfall-runoff modeling with HSPF, EWRI ASCE conference, 22nd May 2011, Palm Springs, CA, 4688-4697.
43. Chandramouli, V, Narayana, M, Duruvai, V., Guo, S., Moreland, J., Merwade, V., Zhou, C.Q., Song, A., Hu, Y., Zhang, F., 2011, Generalized visualization modules for solute transport in groundwater, EWRI ASCE conference, 22nd May 2011, Palm Springs, CA, 934-942.
44. Kaiser, J., Petrovic, V, Chandramouli, V., Nnanna, AG.A, 2011, Indiana Rainfall Pattern Trends the Influence of Large Wind Farms, EWRI ASCE conference, 22nd May 2011, Palm Springs, CA, 4148-4155.
45. V.Chandramouli, Narayana, M, Ramesh, S.V.T, 2010, Developing fecal TMDLs for watershed management using fuzzy based approach, Watershed Management Conference, EWRI, ASCE, Madison, Wisconsin, Aug, 23rd, 2010, 520-528.
46. V.Chandramouli, Gupta, N., and Song, A. N., 2010, Analyzing the change in trends of rainfall – runoff to the reservoir sites in Indiana using self organizing maps, *ASCE EWRI Congress*, Providence, Rhode Island during May, 2010, 2639-2648.
47. V.Chandramouli, Zhou, C.Q, Jin, L., Narayana, M, Duvruvai, V.K, 2010, Visualization modules for solute transport in groundwater, EWRI Congress, ASCE, Providence, Rhode Island, May, 20th, 2010, 707-714.
48. Ormsbee, L., V.Chandramouli, 2008, Pathogen TMDL Development in Karst Watersheds: Challenges and Solutions, ASCE EWRI Congress, May, Hawaii, USA.
49. V.Chandramouli, Ormsbee, L., Kopp, J., 2007, Land Acquisition Study at Paducah Gaseous Diffusion Plant Site using MODFLOWT Modeling, ASCE EWRI Congress, May 15-19, Tampa, Florida, USA.
50. Balla, A., V.Chandramouli, Ramesh, S.V.T, Ormsbee, L., 2007, Evaluation of Spatial Interpolation Techniques for Estimation of Missing Precipitation Data, Poster presented at ASCE EWRI Congress, May 15-19, Tampa, Florida, USA.
51. Ramesh, S. V. T, V.Chandramouli, Ormsbee, L., 2006, Effect of DEM (Digital Elevation Models) Resolution on the Hydrological and Water Quality Modeling, ASCE EWRI Congress, May 21-25, Omaha, Nebraska, USA.
52. V.Chandramouli, Ramesh, S. V. T, Ormsbee, L., 2005, Surface Water Assessment and Hydrologic Modeling under Karst Aquifer conditions, American Geophysical Union Conference, Dec, 2005, AGU Conference, San Francisco, USA.

53. V.Chandramouli, Kumar, M., Mahanta, C., 2002, Optimization of reservoir operation using dynamic programming and fuzzy neural network”, International conference on Hydrology and Watershed Management, held during Dec, 2002 at Jawaharlal Nehru Technological University, Hyderabad, India.
54. C.Sivapragasam, Liong, S.Y, V.Chandramouli, 2002, Towards efficient Multipurpose reservoir operation: A new approach, International conference IAHR, held during Aug, 2002 at National University, Singapore. Vol.II, pp 569-574.
55. P.Deka, V.Chandramouli, 2002, River flow prediction using fuzzy – neural network modeling, International conference IAHR, held during Aug, 2002 at National University, Singapore. Vol.II, pp.711-714.
56. V.Chandramouli, Y.Stanley, 2001, GIS Based Simulation Model with the aid of Artificial Neural Network for Optimal Water Resource Management of a Multi Reservoir System, International conference on Remote sensing and GIS/GPS ICORG held during Feb, 2001 at JNTU, Hyderabad, India. Vol.I, Pp 447-452.
57. H.Raman and V.Chandramouli, 1996, Optimal operation of multi-reservoir system using Dynamic Programming and neural network, International Conference on Applications of Artificial Intelligence in Engineering XI, Clear Waters, Florida, USA in September, 1996.

(iv) Book Chapter published

Written a chapter titled “Unfolding the Functional Relationships Employed by ANNs” in the book titled “*Artificial Neural Networks in Water Supply Engineering, American Society of Civil Engineers, Reston, VA*, Edited by Srinivasa Lingireddy and Gail M. Brion, 2005.

(v) Local conferences:

1. C.V. Chandramouli, Xianrui Wang, Lianzheng Gao, J. Moreland, C.Q. Zhou., Virtual 3D Septic system for Education and Outreach, Kentucky Water Resources Research Institute Symposium, Lexington, KY held during March 2017.
2. C.V.Chandramouli, Macherla, R., Briones, D.S.S, Annoh, N.A., Rainfall Trends in Indiana and adjacent states after wind farm installations in Indiana, Kentucky Water Resources Research Institute Symposium, Lexington, KY held during March 2017.
3. C,V,Chandramouli, E.Hixon, C. Zhou, J. Moreland, J.Wang, Z. Xiong, R.Teegavarappu, P. Behera, J.Fox,, April 2016, Virtual 3D lab modules for student learning, NSF DUE IUSE Symposium “Envisioning the Future of Undergraduate Stem Education: Research and Practice (EnFUSE)”, held at Washington DC.
4. Xianrui Wang, C.V. Chandramouli, C.Q. Zhou, M. J. Wong, J. Moreland, Virtual 3D Model for Contaminant Flow with Groundwater due to Underground Pipe Burst for Education and Outreach, Kentucky Water Resources Research Institute Symposium, Lexington, KY held during March 2016.
5. C.V. Chandramouli, O. Mesad, L. Peksenak, J. Exl, Nutrient TMDL for Deep River Watershed using KY Nutrient Tool, Kentucky Water Resources Research Institute Symposium, Lexington, KY held during March 2016.
6. C.V. Chandramouli, J.Moreland, M.J.Wang, Z. Ziong, C.Zhou, E. Hixon, R.Teegavarappu, J. Fox, P. Behera, Flood modeling using virtual 3D environment to help student learning, Kentucky Water Resources Research Symposium, Lexington, KY held during March, 2015.
7. C.V.Chandramouli, Conrad, D., Zakrzewski, R., Exl, J., E.Coli TMDL Development for Deep River System in Northwest Indiana, Kentucky Water Resources Research Symposium, Lexington, KY held during March, 2015.
8. V.Chandramouli, Karim, M., Menozzi, K., 2014, Nutrient Load Estimation using NSPECT Model for Salt Creek, Indiana, Kentucky Water Resources Research Symposium, Lexington, KY held during March, 2014.

9. Salman, T., V.Chandramouli, Dorworth, L., 2014, Analyzing Precipitation based Climate Indices for the Michigan State, Kentucky Water Resources Research Symposium, Lexington, KY held during March, 2014.
10. Teegavarapu, R.S.V, V.Chandramouli, Chittamuru, R., 2012, Examining Climate Change Indices using Indiana Rainfall Data, Kentucky Water Resources Research Symposium, March, Lexington, KY, USA.
11. Haggard, R.O, V.Chandramouli, Buddharaju, S., 2012, Analyzing Monthly Trends of Rainfall and Temperature in Northwest Indiana to examine climate change, Kentucky Water Resources Research Symposium, March, Lexington, KY, USA.
12. Petrovic, V, Kaiser, J., Chandramouli, V., 2011, Hydrological modeling of Hart Ditch, a Tributary to Little Calumet River, Indiana using HEC HMS and Radar data, Kentucky Water Resources Research Symposium, March, 2011, Lexington, KY.
13. Vainiko, L., Larson, E., Chandramouli, V., 2011, Base flow trends in Northwest Indiana, Kentucky Water Resources Research Symposium, March, 2011, Lexington, KY.
14. V.Chandramouli, Ben, A., Ormsbee, L, 2010, Pathogen TMDL for South Elkhorn, Kentucky Water Resources Research Institute Symposium, University of Kentucky, March, 2010, Lexington, KY.
15. V.Chandramouli, Nimisha, G, 2009, Self Organizing Map (SOM) Model for Analyzing Rainfall and Inflow Patterns, Kentucky Water Resources Research Symposium, March, 2009, Lexington, KY.

5. **Research Grant awards received**

- “Developing Neural Network Models for Lake Michigan Ecoli prediction”, Summer 2019, Indiana Department of Environmental Management (IDEM), PI: Dr. Chandramouli, Co-PI: Dr. Rempfer. \$86,872.
- “Storm water Department – ARC GIS documentation and related field work” Sponsor: Town of Dyer, Summer 2017, \$6000 PI: Dr. Chandramouli
- “Storm water Department – ARC GIS documentation and related field work” Sponsor: Town of Dyer, Summer 2016, \$3600 PI: Dr. Chandramouli
- “Storm water Department – ARC GIS documentation and related field work” Sponsor: Town of Cedar Lakes, Summer 2016, \$3600 PI: Dr. Chandramouli
- “Virtual 3D model for Septic System”, Sponsor: Indiana Department of Environmental Management – Division of Natural Resources \$ 50000 (\$25,000 Match: \$25,000, Nov 2015), PI: Dr. Chandramouli, Co PI: Dr. Zhou
- “Developing Nutrient and Sediment TMDL for Deep River system”, Indiana Department of Environmental Management, NIRPC, \$2800, Fall 2015, PI: Dr. Chandramouli
- “Deep River Portage Burs Waterway Watershed Modeling Project”, Indiana Department of Environmental Management, NIRPC, \$8500, Fall 2014, PI: Dr. Chandramouli
- “Storm water Department – ARC GIS documentation and related field work” Sponsor: Town of Dyer, Summer 2014, \$2250 PI: Dr. Chandramouli
- “Educational 3D Modules for the Contamination Movement due to Underground Fuel Pipeline Failure”, Sponsor: Indiana Department of Environmental Management – Division of Natural Resources \$ 57104 (\$28,552 Match: \$28,552, Nov 2013), PI: Dr. Chandramouli, Co PI: Dr. Zhou
- “Integrating virtual 3D lab modules for flood modeling studies in civil engineering curriculum: An Inter-university Implementation and Evaluation”, Sponsor: National Science Foundation – TUES \$193,382, Jul 2013. PI: Dr.Chandramouli, Co PIs: Dr. Zhou, Dr. Hixon, Dr. Nnanna, Dr. Teegavarappu (Florida Atlantic University), Dr. Fox (University of Kentucky), Dr. Behera (University of District Columbia)

- “Climate Change Analysis in Lake Michigan Watersheds in northwest Indiana”, Sponsor: Illinois Indiana Sea Grant, 64,000, Sep 2012, PI: Dr. Chandramouli, Co PI: Dr. Zhou
- “Town of Dyer Storm water ERU Revision” Sponsor: Town of Dyer, Summer 2012, \$3500 PI: Dr. Chandramouli
- “Helping NIES to input man hole and sewer line data for the USEPA SWIMM model for Highland Sewer System”, Highland Board of Sanitary Commissioners, 2012, \$ 882.
- “Examining Climate change influence on nonpoint source pollution using NSPECT models for Lake Michigan Watershed”. Sponsor: Indiana Department of Environmental Management – Division of Natural Resources (DNR) \$ 42,748, Sep 2012 (\$ 21,317 with a match of \$21,431), PI: Dr. Chandramouli, Co PI: Dr. Nnanna
- “Purdue Calumet Water Institute Lake Michigan Water Resources Study”, Sponsor: IDEM (\$ 54,570.53), PI: Dr. Nnanna, Co-PI: Dr. Chandramouli
- “Developing HSPF model and performing watershed simulations for Canerun Nutrient TMDL”, Sponsor: Kentucky Water Resources Research Institute (KWRI) (\$5,000, Spring 2011 to Sep 30th), PI: Dr. Chandra
- “Climate change impacts on base flows in Northwest Indiana”, Sponsor: IDEM, Department of Natural Resources \$10,000 (\$5000, Spring 2011 to July 2011. Matching: \$,5000), PI: Dr. Chandra
- “Hart Ditch Flood Modeling”, Sponsor: Little Calumet River Basin Development Commission (\$2,000, Fall 2010), PI: Dr. Chandra
- “Developing HSPF model and performing watershed simulations for Canerun Fecal TMDL”, Sponsor: Kentucky Water Resources Research Institute (\$12,500, Fall 2009), PI: Dr. Chandra

PUC Internal Grants

- Catalyst Grant Summer 2017 titled “Integrating virtual 3D modules for flood modeling studies – Group B proposal development, Co PI: Dr. E. Hixon, \$7950
- India Engagement Grant in collaboration with Prof. R. S. Govindaraju, Purdue West Lafayette to collaborate with Indian Institute of Technology, Bombay, India – Travel support of \$2500, Spring 2013.
- “Influence of Large Wind Farms over Rainfall Pattern in Indiana”, Sponsor: PRF Summer Research Grant, Purdue University (\$8,000, Summer 2011), Principal Investigator: Dr. Chandramouli
- “Equipment for Soil Engineering Laboratory”, Sponsor: Special Projects, PUC (\$ 24,798, Fall 2009, Spring 2010), Principal Investigator: Dr. Chandramouli
- “Equipment for Hydrology and Hydraulics Laboratory”, Sponsor: Special Projects, PUC (\$ 16,250, Fall 2009, Spring 2010), Principal Investigator: Dr. Chandramouli
- “Monitoring cyanide contamination and its possible sources in northwest Indiana watersheds”, Sponsor: Water Institute, PUC (\$ 8,350, Fall 2009, Spring 2010) Principal Investigator: Dr. Chandramouli
- “Generalized Visualization Modules for Solute Transport in Groundwater”, Sponsor: North West Indiana Computational Grid (\$15,000, Summer, 2010), Principal Investigator: Dr. Chandramouli, Co-PIs: Dr. Merwade (Purdue West Lafayette), Dr. Do, Dr. Moreland (See Folder B13 for final report)
- “Visualization modules for solute transport in ground water”, Sponsor: North West Indiana Computational Grid (\$15,000, Summer, 2009), Principal Investigator: Dr. Chandramouli, Co-PI: Dr. Zhou