

## B.L.V. PRASAD

Prime Minister's Research Fellow (PMRF)

PhD Scholar, Water Resources and Environmental Engineering

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### EDUCATION

Examination	University/Board	Year	C.P.I. / %
PhD	IISc Bangalore	2019-ongoing	9.6
Post Graduation	IIT Bombay (WRE, Civil)	2015-17	8.7
Graduation	Sri Venkateswara University Tirupati (Civil)	2011-15	8.44
Intermediate/+2	Gayatri Jr. college, Tatipaka. (Board of Intermediate Education, A.P.)	2011	98.3
Matriculation	Z.P.H. School, Sivakodu (Board of Secondary Education, A.P.)	2009	92.0

### PUBLICATIONS

*International Conferences:*

1. Prasad, B. L. V., and Srinivas, V. V. (2022) Impact of Wildfire-related Compound extreme events on hydrology - A case study of Simlipal National Park, India. EGU General Assembly 2022., 23–27 May 2022, EGU22-441, Vienna, Austria.
2. Prasad, B. L. V., and Srinivas, V. V. (2021) Development of Forest Fire Risk Map for Budhabalanga River basin in India using Analytical Hierarchical Process. AGU 2021 Fall 30 meeting (Online/Virtual), 13-17 December 2021, New Orleans, LA, NH25A-0529, (<https://doi.org/10.1002/essoar.10510264.1>)

### WORK EXPERIENCE

Worked as Assistant professor in S.O.A. University (Civil Dept.), Bhubaneswar from July 2017 to July 2019 (also Lab In-Charge of Fluid Mechanics and Water Resources Engineering laboratories)

### SCHOLASTIC ACHIEVEMENTS

- Recipient of Prime Minister's Research Fellowship (PMRF-2020), one of the highest recognized fellowships for Ph.D. scholars in India
- Selected for L&T Build India scholarship scheme for M. Tech in I.I.T. madras [2015]
- 98.63 percentile (among 101429 aspirants) in GATE Examination, Civil Engineering [2015]
- University 2<sup>nd</sup> in B. Tech (Civil Dept.)
- Secured 100% in Engineering Mathematics-II, III and Probability & Statistics in B.Tech
- District First in Intermediate Education and School First in S.S.C.[2009]
- Secured First position in District level mathematics competition and Science Talent Test[2008]

### PROJECTS AND SEMINARS

#### MASTER'S PROJECT: (2017)

Guide: Prof. Eldho T.I., I.I.T. Bombay

Assessment of the impact of land use land cover change on hydrological processes in the Chaliyar river basin using SWAT model

- Pre-processing of satellite imagery and classifying the land use patterns using Erdas Imagine Package
- Determination of streamflow of the catchment using ArcGIS tool supported with ArcSWAT extension
- Calibration and validation of the model and correlating the streamflow variations in response to the LULC change scenarios

**COURSE SEMINARS:**

- Models for estimating evapotranspiration using artificial neural networks, and their physical interpretation
- Elitist Mutated Particle Swarm Optimization with a case study

**UG PROJECT: (2015)**

Guide: Prof. T. Hemalatha, S.V. University

Agricultural vulnerability assessment using G.I.S.: A case study of Pallar river basin of Chittoor district, A.P.

- Landsat images were analyzed to find the Normalized Difference Vegetation Index (NDVI) of the basin using the ArcGIS package
- Results were validated using the Standardized Precipitation Index (S.P.I.) of the catchment

**SKILLSET:**

- ArcGIS, ArcSWAT
- ERDAS IMAGINE
- MATLAB, R

**POSITIONS OF RESPONSIBILITY**

- Faculty advisor for SOA ASCE Student Chapter for the year 2018 (Received Letter of Honorable mention from ASCE for securing a place in top one-third of all chapters)
- Member of the GATE committee and Internal Design Panel for evaluation of Under-Graduate projects in S.O.A. University, Bhubaneswar
- Organized ICTLT-2019 (International Conference on Thunderstorm & Lightning in Tropics) in S.O.A. University, Odisha
- Organized industrial visit to Hirakud Dam, Odisha for Final year B. Tech Students
- Teaching assistant for various courses at I.I.T. Bombay
- Organizer of 'Creadors-2K14' & 'Creadors-2k15', A National Level Technical Symposium conducted by S.V. University, Tirupati

**INTERSHIPS**

- Two-week summer internship at L&T Infrastructure, Chennai (May 2013), (on quantity estimation for a nuclear power plant)
- Attended One Day Workshop on Design of Tall buildings using SAP2000 at JNTU Ananthapur. (2013)

**EXTRA-CURRICULAR ACTIVITIES**

- Winner of Singing competition in the event SAARANGA (2015), I.I.T. Bombay.
- Interests: Standup Comedy, Singing, Blogging, and Cricket