

Chamarthi Sarat Chandra

Ph D. Student
Interdisciplinary Centre for Water Research
Indian Institute of Science, Bengaluru

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Links

Researchgate:// [Sarat Chandra](#)
LinkedIn:// [Sarat Chandra](#)
Profile:// [ICWaR Website](#)

Skills

OS
GNU/Linux, Windows

LANGUAGES
C, Python, R

OTHERS
MATLAB
LaTeX, MS Word, MS Excel
Adobe Illustrator, Photoshop

Coursework

Surface Water Hydrology
Groundwater Hydrology
Finite Element Method
Partial Differential Equations
Water Quality Modelling
Atmospheric Dynamics
Math Methods in Climate Science

Work Experience

MARCH, 2016- MAY, 2019
SUBJECT MATTER EXPERT
Chegg Inc.
Part Time/ Freelancer

JUNE - OCTOBER, 2016
GRADUATE TRAINEE
L& W Constructions Pvt. Ltd.
Bengaluru

Education

2019-NOW	Ph.D.	Interdisciplinary Centre for Water Research (ICWaR) Indian Institute of Science, Bengaluru
	CGPA: 9.3 Advisors: Prof. M. Sekhar and Prof. V. Venugopal	
2017-2019	M. Tech	Water Resources Engineering National Institute of Technology, Rourkela
	CGPA: 9.84 Advisor: Prof. K. Khatua	
2012-2016	B. Tech	Civil Engineering MVGR College of Engineering, Vizianagaram
	Passed with 87 % Advisor : Prof. S. Purushottam	
2010-2012	Intermediate	Maths, Physics and Chemistry Narayana Junior College, Visakhapatnam
	Passed with 94.5 %	

Projects

2018-2019 **Master's Thesis : Analysis of apparent shear and turbulence in meandering compound flows**

Advisor: Prof K. Khatua
Investigated the effects of compound flows on the apparent shear stress distribution and discharge in meandering compound channels. An experimental flume was fabricated and turbulence parameters were studied.

2016 **Bachelor's degree project: Pervious concrete using supplementary cementitious materials**

Advisor: Prof S. Purushottam
We incorporated supplementary materials such as silica fume and fly ash into the mix design process and came up with a more sustainable version of pervious concrete.

Achievements/Awards

2019	Institute Gold Medal for the Best Postgraduate	NIT, Rourkela
2019	Department Gold Medal	Dept. of Civil Engineering, NIT, Rourkela
2019	Prof. R.K Behera Memorial Award	NIT, Rourkela
2014, 2015	Silver Medal / Scholarship	Dept. of Civil Engineering, MVGR College of Engineering