

# Dr. Sushant Kumar

Google Scholar ID-<https://scholar.google.com/citations?user=FibVB-YAAAAI&hl=en>  
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## PREVIOUS EXPERIENCE

### Greater Noida Institute of Technology, Greater Noida —Assistant Professor

January 2023 - October 2024

Department of Civil Engineering

### Delhi Technical Campus, Greater Noida —Assistant Professor

July 2016 - July 2017

Department of Civil Engineering

## EDUCATION

### Delhi Technological University, Delhi — Ph.D.

August 2017 - December 2022

Research Fellow under the DTU Fellowship in Civil Engineering  
Department, Delhi Technological University

### NIT Bhopal, Bhopal —M.Tech (Water Resources Engineering)

July 2014 - July 2016

Full time M.Tech Fellow under the Fellowship of MHRD. Specialization in  
Water Resources Engineering in the Department of Civil Engineering.

## SKILLS

Visual MODFLOW, QGIS/  
ARCGIS, PLAXIS-2D,  
GEOSTUDIO- Seep/w,  
Temp/w, Slope/w, Ansys-  
Fluent, Data Analytics in  
MATLAB, Sigma Plot.

## AWARDS

3rd Prize winner in First  
National Essay competition  
on Water 2015-16, organized  
by the Central Ground Water  
Board, Govt. of India.

## Research papers

3 SCIE, 3 Scopus+1 Scopus  
conference.

## LANGUAGES

English and Hindi

## Professional Membership

Life member, **Indian Society  
for Hydraulics (ISH)**.  
(LM-1401)  
Life member, **Indian  
Geotechnical Society, Delhi  
Chapter.** (LM-1193)

## Academic Credentials

Degree	College	University	Year	Percentage
Ph.D (Civil Engineering)	Delhi Technological University, Delhi	Delhi Technological University, Delhi	2022	77.66
M.Tech (Water Resources Engineering, Civil Engineering)	Maulana Azad National Institute of Technology, Bhopal	National Institute of Technology, Bhopal	2016	88.40% (3rd Topper)
B.Tech (Civil Engineering)	Inderprastha Engineering college, Ghaziabad, Affiliated to UPTU	UPTU, Lucknow	2014	70.46
Intermediate (12th)	Mahatma Hansraj Modern school, Jhansi	CBSE	2010	78.00 (80% in PCM)
High School (10th)	DAV Public School, Ghaziabad	CBSE	2008	74.60

## Research papers/Conferences:

Title of article	Journal/Conference	Vol/ Issue/ year	ISSN/ ISBN No.
Modeling the effect of central impervious core and downstream filter geometry on seepage through earth dams	Ain Shams Engineering Journal, Elsevier. (SCIE+SCOPUS)	Volume 13, Issue 1, 101510, January 2022.	ISSN: 2090-4479
Heat and water flux in an earth dam	Water Science and Technology, IWA publishing. (SCIE+SCOPUS)	Vol 84, Issue No 10-11, 2760, 2021.	ISSN No. 0273-1223
Temperature analysis modeling to detect the seepage flow variation in an earth dam	Journal of Environmental Protection and Ecology, SciBulcom Ltd. (SCIE+SCOPUS)	Issue/Book 2, Volume 24, 2023. Pages: 416-426	ISSN No. 1311-5065
Environmental effect of cement production: A review.	3rd Biennial International Conference on Future Learning Aspects of Mechanical Engineering (FLAME - 2022), Springer Link (Scopus)	2022, Print (June 2023)	Print ISBN: 978-981-99-1893-5, Online ISBN: 978-981-99-1894-2
Sustainable development of groundwater: A case study of Begamganj block in Bina River Basin of Madhya Pradesh, India	International Conference, 3rd Go Green Summit, held at Manila, Philippines.	Vol. 1, Issue X, 2018	ISBN:978-81-932966-1-5
Effect on seepage through an earth dam on its water quality: A review	ASCE India 2nd International conference, CRSIDE 2020. held at Kolkata, India	Volume 1, 2020	ISBN: 978-93-5396-500-6
Groundwater Modelling in Bina River Basin, India using Visual MODFLOW	International Journal for Scientific Research & Development.	Vol. 5, Issue 05, 2017	ISSN (online): 2321-0613

Empirical Observation based Seepage Analysis of Madhya Ganga Canal	International Journal for Scientific Research & Development.	Vol. 5, Issue June, 2017	ISSN (online): 2321-0613
Canal Lining of Madhya Ganga Canal, Bijnor, Uttar Pradesh, India	National Conference on Water resource and Flood management-2016 held at SVNIT Surat, India organized by Indian Society for Hydraulics under Teqip-II.	2016	ISBN-978-81-931162-4-1
Sustainable development of groundwater: A case study of Begamganj block in Bina River Basin of Madhya Pradesh, India	International Journal of Recent Research Aspects	Vol. 5, Issue 1	ISSN: 2349-7688
Simulation of solute mass flux in an earth dam	International Conference on "Advances in Engineering Science and Technology-2021" held at Dehradun, India	2021	ISBN: 97-89-35-47-35-34-9
Ground water Conference- Related issue in Madhya Pradesh	Central groundwater Board, North central Region, Bhopal, India.	2016	
National Conference on Paradigm shift in Indian Economy	Delhi Technical Campus, affiliated to GGSIPU, New Delhi, India.	2017	

## Projects

Completed project as Co-PI on "Construction of Bio-Toilets" of rupees **one lakh** under the Unnat Bharat Abhiyan on the theme "Sanitation and Solid Waste Management" in the year 2022.

## Extra-Curricular Activities & Co-curricular Activities:

**Organised and attended an AICTE approved Faculty Development Program as co-organizer** on "Innovation in Construction and Green Building Materials Conducted" by the Department of Civil Engineering from 19/08/2024 to 23/08/2024 (One Week) at Greater Noida Institute of Technology, Greater Noida in association with NITTR Chandigarh.

Participation in E-Sambhav, e-National Level Awareness Programme, organized in October-November 2021 by the Ministry for Promoting Entrepreneurship, MSME, Govt. of India.

3rd Prize winner in First National Essay competition on Water 2015-16 organized by "Central Ground water Board", Govt. of India.

Participation in Online Training/Lecture on the topic Research - An insight (Geotechnical Engineering) by Prof. Sarvesh Chandra, Ex-Professor, IIT, Kanpur on 8th May 2020, organized by Centre for Extension and Field Outreach, Delhi Technological University, Delhi.

Award for oral presentation in 2nd International Conference held during 25-26 March 2019 on 'Sustainable Technologies for Environmental Management' (STEM-2019) by Department of Environmental Engineering, Delhi Technological University, Delhi.

**Two week Faculty Development Programme on "Advances in Research methods and Teaching Pedagogy" under Teqip- III, Sponsored Faculty Developed Programme during 18-29 June, 2018.**

**One Week Faculty Development Programme** on “Earthquake Resistant Design on Structures” organized by Department of Civil Engineering, **Delhi Technological University, Delhi** during 27-31 May 2019.

**Gate Qualified in 2014 & 2016.**

Participated in the Faculty Development Program (held at Delhi Technical Campus, Greater Noida) organized by **LeLogix CAD training center.**

National seminar on Water pollution and its Management Strategies organized by **CGWB, Bhopal.**

Awarded an outstanding Band performance at cultural fest in the Inderprastha Engineering College, Ghaziabad

Second prize winner in “Film Making Competition” In Maulana Azad National Institute of Technology, Bhopal.

National conferences attended at Delhi Technical Campus, Greater Noida on “Paradigm Shift in Indian Economy: Demonetization.

FDP on “Outcome based education and accreditation” Organized by Greater Noida Institute of Technology Institute of Management studies, 13-17 Dec 2021.

Certificate of Participation on "Realistic Finite Element Analysis with Abaqus" held on November 15, 2022, organized by The Sustainable Squad Department of Civil Engineering, Faculty of Engineering and Technology, Manav Rachna International Institute of Research and Studies, Faridabad, Haryana, India.

Participated in an Expert Talk on Embarking on the Journey of Research organized by The Sustainable Squad Department of Civil Engineering, Faculty of Engineering and Technology, Manav Rachna International Institute of Research and Studies, Faridabad, Haryana on September 23, 2022.

Certificate of Participation in two week online workshop on “Effective Research Paper Writing & Publishing Aspect” from July 6, 2020- July 17, 2020.