

CURRICULUM VITAE



Dr. Aditya Pradip Nilawar

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OBJECTIVE

To pursue a career in a progressive organization that provides opportunities for career growth and professional development.

EDUCATION QULIFICATIONS

<u>Year</u>	<u>University/Board</u>	<u>Degree/Examination</u>	<u>Percentage/CGPA</u>
2020	SGGS IE & T, Nanded	Ph.D.(CWM)	8.0
2014	SGGS IE & T, Nanded	M.Tech. (CWM)	7.47
2011	S.R.T.M.U. Nanded	B.E.(Civil)	75

TEACHING EXPERIENCE

Organization: SGGS IE & T, Nanded
Duration: **August 2018- till date**

Organization: SGGS IE & T, Nanded
Duration: 07 months (2011-2012)

RESEARCH INTERESTS

- Geospatial hydrological modeling of a watershed; satellite image processing; climate change analysis; surface water hydrology.

Ph.D. TOPIC

- Title : Geospatial Hydrological Modeling of Watershed.
Software's : Arc GIS, Erdas, SWAT
Brief Description :

Climate change has a significant effect on various hydrological processes in a large river basin. The assessment of these processes is also useful for water resource management and long-term sustainability of any hydrological project. The basic intent of study was to derive the parameters required for stream flow and sediment yield and to understand the future impact of climate change on stream flow and sediment yield in the area through climate change sensitivity analysis.

INTERNSHIPS [Funded by COE, SGGS IE&T, Nanded]

Organization : *NOAA-CREST Institute, The City University of New York, USA*
Duration : 2016 – 2017

Description : I have worked on research project on Validation and Application of satellite Soil Moisture Data for operational flood monitoring.

Organization : *National Institute of Rural Development (NIRD), Hyderabad*
Duration : 2013 – 2014

Description : I have learnt how to analyse problems associated with watershed system and different aspects RS and GIS in watershed system.

M.Tech. DISSERTATION

- **Title** : Identification of Groundwater Potential Zone using RS and GIS.
- **Software's** : ArcGIS, Erdas
- **Brief Description** :
This project gives a standard procedure to determine Groundwater potential zone, Morphometric investigation and change in the Land use/land cover amid the shorter period traverse utilizing an integrated approach of RS and GIS technique.

CONSULTANCY

- Consultancy work of amount **2 crore** have been completed.

CONFERENCE/WORKSHOP/ FDP ORGANIZED

- AICTE-QIP short term course on “**Project Management for Engineers: Recent Trends**” organized by SGGs IE & T, NANDED (21-25 September 2019)
- AICTE-QIP short term course on “**Recent Trends in Water Engineering**” organized by SGGs IE & T, NANDED (25-30 June 2021)

PUBLICATIONS

- A.P. Nilawar, M.L. Waikar, "Impacts of climate change on streamflow and sediment concentration under RCP 4.5 and 8.5: A case study in Purna river basin, India." *Science of The Total Environment, Elsevier* 650, (2019): 2685-2696. [**Sci & Scopus I.P 7.96**]
- A.P. Nilawar, M.L. Waikar, “Use of SWAT to determine the effects of climate and landuse changes on streamflow and sediment concentration in the Purna river basin, India.” *Environ Earth Sci Springer* (2018) 77: 783. [**Sci & Scopus I.P 2.86**]
- A. P. Nilawar , C. P. Calderella, T.Y. Lakhankar , M. L. Waikar , and Jonathan Munoz “Satellite Soil Moisture Validation Using Hydrological SWAT Model: A Case Study of Puerto Rico, USA” *Hydrology*, 4(4), (2017),45. [**Sci & Scopus**]
- A.P. Nilawar, M.L. Waikar, N Deshmukh P.D. Dahe. “An Overview of Rainfall Runoff Hydrological Models” *Journal of Indian Water Works Association (IWWA)*,49(4),(2017), 273-280. [**Scopus**]
- A. P. Nilawar and M.L.Waikar, “RS and GIS approach for prospecting various properties of Watershed” *Journal of Indian Water Works Association(IWWA)*,47 (2), (2015), 344-357.[**Scopus**]
- A. P. Nilawar and M.L.Waikar, “Morphometric Analysis of Drainage Basin Using Geographical Information System”, *Int J of multidisciplinary and current research*, 2, (2014), 179-184.
- A. P. Nilawar and M.L.Waikar, “Identification of Groundwater Potential zone using Remote Sensing and GIS Technique”, *Int J Innov Res Sci Eng Technol*, 3(5), (2014), 12163-12174.

RESEARCH PROJECTS / PROJECTS GUIDED

- B.Tech. Project students guided = 16
- M.Tech. Project students guided = 02

CERTIFICATIONS

- Spatial Analysis and Satellite Imagery in a GIS, Coursera
- Drones for Agriculture: Prepare and Design Your Drone (UAV) Mission, edx
- Hydrological Modeling Using SWAT, GIAN, Govt. India, IIT Hyderabad
- Hec-RAS, Udemy

REVIEWER

- Reviewer for the *Journal Science of The Total Environment, Elsevier [I.P. 6.55]*
- Reviewer for the *Journal of Hydrology, Elsevier [I.P. 4.4]*
- Reviewer for the *Journal Catena, Elsevier [I.P.3.85]*
- Reviewer for the *Journal of Earth System Science, Springer [I.P.1.423]*
- Reviewer for the *Journal African Journal of Environmental Science and Technology*
- Reviewer for the *5th International Conference on Water Resource and Environment (WRE 2019), China.*

BOOK

- Aditya Nilawar and Milind Waikar “Hydro-Geomorphological Study of Watershed Using RS and GIS Approach” Lambert Academic Publishing, ISBN (978-620-2-00556-2)

GUEST LECTURE

- Guest lecture on “GIS & Remote Sensing” at Civil Engineering Department, Amrutvahini College of Engineering, Sangamner.
- Guest lecture on “Hydrology” at Civil Engineering Department, Deogiri Institute of Engineering and Management Studies, Aurangabad.
- Expert lecture on “Remote Sensing” in FDP in Recent Trends in Civil Engineering organized by Department of Civil Engineering, S N D Polytechnic College, Yeola, Nashik.
- Guest lecture on “Remote Sensing” at Civil Engineering Department, Gramin Polytechnic College, Nanded.
- Guest lecture on “Hydrology” at Civil Engineering Department, Gramin Polytechnic College, Nanded.

AWARDS, ACHIEVEMENTS AND RECOGNITION

- Received sponsorship to complete partial work of Ph.D. at *NOAA-CREST Institute, The City University of New York, USA*

CONFERENCE/WORKSHOP/ FDP ATTENDED

- Workshop on Hydrologic Modeling with SWAT and Groundwater Modeling with MODFLOW organized by **IIT-Hyderabad** (26-27 December 2014)
- International Conference on Modeling Tools for Sustainable Water Resource Management organized by **IIT-Hyderabad** (28-29 December 2014)
- National Seminar on Water conservation and Rainwater Harvesting organized by **IIT-Bombay** (14-15 March 2015)
- Workshop on Hydrologic Modeling with SWAT organized by **IIT-Hyderabad** (14th - 23rd Dec 2015).
- International Conference on Technological Advances in Climate-Smart Agriculture and Sustainability organized by **SGGS IE & T, Nanded** (16-18 January 2017)
- AICTE-QIP short term course on “Advances in Water Engineering” organized by **SGGS IE & T, NANDED** (11- 15 March 2019)
- AICTE-QIP short term course on Analytical Techniques for Applied Research organized by **SGGS IE & T, NANDED** (16-20 February 2020)
- AICTE FDP on Outcome based Education organized by Govt. College of Engineering, Karad (11-15 May 2020)

- FDP on ICT tools for effective teaching organized by SRTMU, Nanded (11-15 May 2020)
- R Programming organized by A.P. shah Institute of Technology in association with **IIT Bombay** (27th April to 4th May 2020)
- Hydrological Modeling, Climate change and Soft Computing Application in Water Resource Engineering organized by KBTCOE, Nasik (23-27 August 2021)
- Hydrological Modelling for Extreme Weather Events for Urban Cities (28-30 September 2021) organized by Vidya Bhawan Society & DHI India Pvt. Ltd.
- Purpose Oriented Training Through Distance Learning “River Analysis System (HEC-RAS)”(25-29 Oct-2021) organized by National Water Academy CWC, Pune
- International Conference in Virtual Mode on Sustainable Technology and Advanced Computing in Electrical Engineering (11-12 Nov. 2021) organized by SVNIT, Surat.

ADMINISTRATIVE POSITIONS HELD

- Worked as a departmental exam coordinator.
- Worked as a departmental timetable in charge.
- Worked as a coordinator for environmental studies.

PUBLICATION ID

- Scopus Author ID: 57204054414
- ORCID: 0000-0002-5766-1526
- Web of Science ResearcherID: AAS-1500-2020


PERSONAL PROFILE

Date of Birth : 21stJune1989
Gender : Male
Marital Status : Married
Languages Known : Marathi, Hindi and English
Nationality : Indian

DECLARATION

I hereby declare that the information stated above is true and to the best of my knowledge.

Place: Nanded



ADITYA P. NILAWAR