

DETAILED CURRICULUM VITAE

Dr. Sandeep Ravish (Assistant Professor)

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Permanent Address

#House Number – 2, Gali Number – 1, Friends Colony, Kaithal 136027

Haryana, India, Landmark – near sector 18

A. Academics (Postgraduate Onwards):

M.Tech	<ul style="list-style-type: none">• 2014• Experimental Study of Flow Visualization around Circular Cylindrical Model by Wet Paint Technique
Ph.D.	<ul style="list-style-type: none">• Recently Awarded (17.12.2020)• Registration Date: 06.02.2015• Institute Fellowship (JRF from MHRD)• 'Monitoring of Groundwater Quality of North-Eastern Haryana, India'
Research Publication	<ul style="list-style-type: none">• International/National Journals (Table 1, 2 & 3)• International/National Conferences (Table 4 & 5)• Book Chapters & Workshop Attended (Table 6 &7)
Prominent Conferences & International Exposure	<ul style="list-style-type: none">• 38th IAHR (International Association for Hydro-Environment Engineering and Research) World Congress –Water Connecting the World (An International Conference) organized under the aegis of Spain Water and IWHR.• 7th ICSE-2014 on Soil and Erosion, Perth, Australia
Life Membership (Academic Bodies)	<ul style="list-style-type: none">• Indian Society of Hydraulics (ISH)• Indian Water Resources Society (IWRS)
Editor/Reviewer	<ul style="list-style-type: none">• Editsprings Technology and Culture Co. Ltd. (Boston, USA)• International Journal of Bioculture• Applied Environmental Science• Public Health Risk Assessment• Toxicology, Environmental, and Occupational Health• Sustainability, Society, and Eco-Welfare• Agrosociology and Sustainableility• Earth Kingdom• Natural Disaster Mitigation, and Education• Environmental and Materials• Social, Ecology, Economy for Sustainable development goals Journal (SEESDGJ)• KSCE International Journal of Civil Engineering, (Publisher Springer, Korea, SCI)• International Journal of Pollution (Publisher Springer, Iran, ESCI, SCOPUS)• International Journal of Scientific Reports (Publisher Nature.com; UK, SCI)• International Journal of Environmental Monitoring and Assessment (Publisher

Springer, Netherlands, SCI)

- International Journal of Civil Engineering (Publisher Springer Nature, Switzerland, SCI)
- Arabian Journal of Geosciences (Publisher Springer Nature, Germany, SCI)
- Current World Environment (Publisher Springer Nature, India, SCI)
- International Journal of Applied Water Science (Publisher Springer Nature, Germany, ESCI)
- Journal of Sn Applied Science (Publisher Springer Nature, India, ESCI)
- ISH Journal of Hydraulic Engineering (Publisher Taylor & Francis, India, SCOPUS)
- Evergreen International Journal (Publisher Evergreen, Japan, SCOPUS)
- Suranaree Journal of Science and Technology, Thailand (Publisher SJST, Thailand, SCOPUS)
- Water Resource Management (Publisher Springer Nature, Europe, SCI)
- ArcGIS, ANSYS, Matlab, Geochemist Workbench
- Aquachem, Grapher, SPSS, MINITAB, MS Office etc.

LIST OF PUBLICATIONS

Table 1. Paper in International Refereed Journals (SCI/SCOPUS)

Sr. No	Title/Co-authors	Name of the Journal	Status
1.	Monitoring of pre and post-monsoon groundwater quality of N-E Haryana region using GIS Baldev Setia and Surinder Deswal	Environmental Technology (Publisher: TAYLOR & FRANCIS) (2019)	Published https://doi.org/10.1080/09593330.2019.1619841 (I.F. = 3.475)
2.	Groundwater quality and geochemical signatures northeastern Haryana, India Baldev Setia and Surinder Deswal	Arabian Journal of Geosciences (Publisher: Springer) (2020)	Published https://doi.org/10.1007/s12517-020-06094-z (I.F. = 1.827)
3.	Hydro-chemical analysis of pre-monsoon groundwater of north-eastern Haryana Baldev Setia and Surinder Deswal	Groundwater for Sustainable Development (Publisher: ELSEVIER) (2019)	Published https://doi.org/10.1016/j.gsd.2019.03.001 (I.F. - 5.9)
4.	Data on appraisal of groundwater quality in north-eastern Haryana Baldev Setia and Surinder Deswal	Journal of Data in Brief (Publisher: ELSEVIER) (2019)	Published https://doi.org/10.1016/j.dib.2019.104164 (I.F. - 1.2)
5.	Hydro-chemistry for the Analysis of Sub-surface Water Quality in North-Eastern Haryana: A Fast-Urbanizing Region Baldev Setia and Surinder Deswal	Advances in Intelligent Systems and Computing (Publisher: Springer Group lecture series) (2020)	Published https://doi.org/10.1007/978-981-15-3215-3_1
6.	Classification of groundwater quality using multivariate statistical techniques: A case study from a part of Haryana, northwestern India Baldev Setia and Surinder Deswal	Environmental Geochemistry and Health (Publisher: Springer nature Group) (2022)	Published https://doi.org/10.1007/s10653-022-01288-8 (I.F. - 4.898)

Table 2. Paper in National Refereed Journals (SCI/SCOPUS)

Sr. No	Title/Co-authors	Name of the Journal	Status
1.	Groundwater quality analysis of north-eastern Haryana using multivariate statistical techniques Baldev Setia and Surinder Deswal	Journal of Geological Society of India (Publisher: Springer) (2020)	Published https://doi.org/10.1007/s12594-020-1450-z (I.F. = 1.466)
2.	Groundwater quality in urban and rural areas of north-eastern Haryana (India): a review Baldev Setia and Surinder Deswal	ISH (Journal of Hydraulic Engineering) (Publisher: TAYLOR & FRANCIS) (2018)	Published https://doi.org/10.1080/09715010.2018.1531070

Table 3. Paper in International Refereed Journals (SCI) [Revision Submitted/Under Review]

Sr. No	Title/Co-authors	Name of the Journal	Status
1.	Physico-Chemical Characteristics of Groundwater Samples of North-Eastern Haryana, India Baldev Setia and Surinder Deswal	Iranian Journal of Science and Technology-Transactions of Civil Engineering (Publisher: Springer)	Under Review (I.F - 0.800)
2.	Fluoride pollution in underground water of north-eastern Haryana, India Baldev Setia and Surinder Deswal	Journal of Hazardous, Toxic, and Radioactive Waste (Publisher: ASCE)	Under Review
3.	Improving the estimation precision of the mapping of groundwater salinity employing Indicator Kriging Technique Baldev Setia and Surinder Deswal	Journal of Applied Water Science (Publisher: Springer)	Revision Submitted (I.F. - 5.340)

Table 4. Papers in International Conferences Proceedings (SCOPUS)

Sr. No.	Title/Co-authors	Name of the Conference	Status
1.	Hydro-chemical analysis of groundwater for domestic and irrigation purpose of north-eastern Haryana using Water Quality Index Baldev Setia and Surinder Deswal	38th IAHR-2019 World Congress Panama City, Panama	Presented/Published
2.	Hydrochemistry signatures analysis of groundwater quality of north-eastern Haryana, India Baldev Setia and Surinder Deswal	HYDRO-2019, University College of Engineering, Osmania University, Hyderabad	Presented/Published
3.	Hydro-chemistry for the Analysis of Sub-surface Water Quality in North-Eastern Haryana: A Fast-Urbanizing Region Baldev Setia and Surinder Deswal	NOIEAS-2019, NITW, Telangana, India	Presented/Published
4.	Visualization guided experimental study on closely spaced bridge pier models Rahul Malik and Baldev Setia	7th International Conference on Scour and Erosion, The University of Western Australia, Perth, Australia (2014)	Published
5.	Reclamation of Wastewaters Using Microalgae and Microalgal Bioremediation Potential: A Review Akib Khan, Anshika Kumari	HYDRO-2022, CHANDIGARH	Published
6.	A Critical Review of Used Polymers in the Soil Stabilization: The Global Experiences and Future Perspective Vishal Puri	EGRWSE-2023, Jalandhar	Accepted (30.08.2023)
7.	Review of Non-Potable Water Applications for Sustainable Concrete Development Vishal Puri	EGRWSE-2023, Jalandhar	Accepted (30.08.2023)

Table 5. Papers in National Conferences Proceedings

Sr. No.	Title/Co-authors	Name of the Conference	Status
1.	Pre-monsoon groundwater quality analysis for drinking purpose using GIS in north-eastern Haryana, India: focus on Fluoride Baldev Setia and Surinder Deswal	ICGCE-2019, NITA, U.P., India	Presented/Published
2.	Groundwater Quality Evaluation for Agriculture and Domestic Purposes in North-Eastern Haryana Baldev Setia and Surinder Deswal	WRM-2019, AMU, Aligarh, U.P	Presented/Published
3.	Hydro-chemical study of groundwater in RTIFESE-2019, GJU, Hissar	RTIFESE-2019, GJU, Hissar	Presented/Published

north-eastern Haryana

Baldev Setia and Surinder Deswal

4. Experimental study on flow visualization CAHHEWC-2013, National Presented/Published around circular cylindrical model by wet Institute of Technology, paint technique Kurukshetra

Baldev Setia

Table 6 Book/Book Chapters (SCOPUS)

Sr. No.	Title/Co-authors	Name of the Publisher/Conference	Status
1.	Assessment of Groundwater Quality of North-Eastern Haryana, India Baldev Setia and Surinder Dewal	Arihant Books. New Delhi. India	Published (ISBN: 978-93-5609-187-0)
2.	Hydro-chemistry for the Analysis of Sub-surface Water Quality in North-Eastern Haryana: A Fast-Urbanizing Region Baldev Setia and Surinder Dewal	NOIEAS-2019, NITW, Telangana, India	Published (DOI: 10.1007/978-981-15-3215-3_1)
3.	Hydro-chemical analysis of groundwater for domestic and irrigation purpose of north-eastern Haryana using Water Quality Index Baldev Setia and Surinder Dewal	38 th IAHR-2019 World Congress Panama City, Panama	Published (DOI:10.3850/38WC092019-0889)
4.	Visualization guided experimental study on closely spaced bridge pier models Baldev Setia and Rahul Malik	7 th International Conference on Scour and Erosion, The University of Western Australia, Perth, Australia (ICSE 2014)	Published (Taylor & francis Group, London, 978-1-138-02732-9)

Table 7 Conferences/Workshops etc. attended

S.No.	Seminar/Symposium/Conference/Workshop with name of organizer and place	Period		Duration (Days)
		From	To	
1	38 th IAHR-2019 World Congress Panama City, Panama	01.09.2019	06.09.2019	One week
2	HYDRO-2019, University College of Engineering, Osmania University, Hyderabad	18.12.2019	20.12.2019	03
3	NOIEAS-2019, NITW, Telangana, India	19.06.2019	21.06.2019	03
4	ICGCE-2019, NITA, U.P., India	01.03.2019	02.03.2019	03
5	WRM-2019, Aligarh Muslim University, Aligarh, U.P	15.03.2019	16.03.2019	02
6	RTIFESE-2019, GJU, Hissar	20.09.2019	21.09.2019	02
7	CAHHEWC-2013, National Institute of Technology, Kurukshetra	15.01.2013	16.11.2013	02
8	One week STTP on Computational Mechanics and Modelling (CMM 2016), SVNIT. Surat, Gujarat, India	26.12.2016	30.12.2016	One Week

9	Application of GIS, NIH, IIT, Roorkee, U.K., India	15.01.2017	20.01.2017	One Week
10	Hands on Training on SAR filling of NBA accreditation	26.07.2021	30.07.2021	One Week
11	FDP on RESEARCH AND INNOVATIONS ENGINEERING	07.02.2022	12.02.2022	One Week
12	FDP on ENGINEERING MATERIALS	24.01.2022	30.01.2022	One Week
13	FDP on RESEARCH WRITING AND PROFESSIONAL ETHICS	07.09.2021	13.09.2021	One Week
14	Value added Course on 'Recent Trends in Geotechnical and Hydraulic Engineering'	15.09.21	15.09.21	01

Table 8 Number of Research Students Supervised/Research Project Awarded

Dissertation/Project	Topic	Sponsoring Agency/Status
PG	Assessment of Mechanical and Metallurgical Signatures of Steel Components using Polymer Quenchants	Completed in May 2023
Sponsored Project	Design and Development of Hydro-powered Piston Pump	Funded by State Govt./Ongoing
Sponsored Project	Wastewater Treatment and Energy Harvesting for Societal Application	Funded by Department of Science and Technology, Govt. of India/ Ongoing

Table 9 Employment Experience [Particulars of my past position(s)]

Employer	Position held	Date of Joining	Date of Leaving
J C Bose University of Science & Technology YMCA Faridabad Haryana, India (Public University)	Assistant Professor	31.08.2021	Presently Working (Till Date)
Gaya College of Engineering, DST, Govt. of Bihar, India (Public Institution)	Assistant Professor	12.04.2021	26.08.2021
National Institute of Technology Kurukshetra, Haryana, A Institute of National Importance (Public Institution)	As a Research Scholar (JRF)	06.02.2015	17.12.2020
M.M.University Ambala, Haryana, India	Assistant Professor	07.08.2014	30.01.2015

Table 10 List of Referees along with details:

Sr. No.	Name of Referee	Affiliation	Contact Number	E-mail Address & Relationship
1.	Dr. Baldev Setia Director, Professor	PEC, University, Chandigarh; National Institute of Technology Kurukshetra, Haryana, India – 136 119	9416220222	setia@nitkkr.ac.in Postgraduate & Doctoral Studies Supervisor
2.	Dr. Surinder Deswal Dean, Registrar, Professor	National Institute of Technology Kurukshetra, Haryana, India – 136 119	9896246886	sdeswal@nitkkr.ac.in Doctoral Studies Co-supervisor
3.	Dr. Mahesh Pal Dean, Professor	National Institute of Technology Kurukshetra, Haryana, India – 136 119	9416236932	mahesh.pal@nitkkr.ac.in Professor in the Department