Name of Faculty	DR. JNANA RANJAN KHUNTIA	
Designation	Assistant Professor	
Nature of Job/Appointment	Regular	
Date of Joining	15 – 11 -2021	
E-mail	jnanaranjan_civil@cbit.ac.in	
Education Qualifications	Name of the Degree	Class
Ph. D	Water Resources Engineering (Fluvial Hydraulics)	Awarded
PG	M.Tech (Water Resources Engineering)	I class (Topper)
UG	B.Tech (Civil Engineering)	I class
Work Experience		
Teaching	4½ years total experience; 2½ years post Ph.D.	
Research	8 years; ½ year at Lyon, France	
Industry	-	
Others	--	
Area of Specialization	Water Resources Engineering, Fluvial Hydraulics	
Professional Memberships	IEI Associate Membership No. AM1914130; Life Member of The Indian Society for Hydraulics (ISH): LM –1276.	
Responsibilities held at Institution Level	Member: News Letter Committee, Public Relations Committee Sudhee 2022: Hospitality Committee member Sudhee 2023 & 2024: Technical Committee member	
Responsibilities held at Department Level	Time table in-charge (2021-22), CAMU coordinator (Till 2023), Faculty Coordinator of Civil Engineering Association (CEA) (Since December 2022), Departmental Meeting Minutes (since March 2023)	
Research Guidance	5 projects at B. Tech Level (3 Completed, 2 ongoing)	
Courses Handled at Under Graduate / Post Graduate Level.	Fluid Mechanics, Hydraulics and Hydraulic Machinery, River Engineering, Rural Water Supply and Onsite Sanitation System, Fluid Mechanics Lab, Hydraulics and Hydraulic Machinery Lab	
No. of Papers Published	National Journals – 0	International Journals –15
	National Conference – 1	International Conference – 34
Projects Carried out	--	
Patents	--	
Technology Transfer	An expert lecture delivered in: 1. Two-week National Level Faculty Development Programme on "**Computer Application in Civil Engineering**" conducted by Vidya Institute of Technology in September 2022. 2. Four week Internship Programme on "**Computer Application in Civil Engineering**" conducted by Vidya Institute of Technology in September 2022.	
No. of Books/Chapter Published with details	1. Khuntia, J.R., Devi, K., Das, B.S., Khatua, K.K., Jena, S. (2023). Effect of Emergent Rigid Vegetation on Flow Properties in an Open Channel. In: Timbadiya, P.V., Patel, P.L., Singh, V.P., Barman, B. (eds) Fluid Mechanics and Hydraulics. HYDRO 2021. Lecture Notes in Civil Engineering, vol 314. Springer, Singapore. https://doi.org/10.1007/978-981-19-9151-6_1, pp: 1-14. 2. Sahoo, S., Devi, K., Khuntia, J.R., Khatua, K.K. (2023). Numerical Investigation of Secondary Flow Structures in a Gravel Bed Asymmetric Compound Channel. In: Timbadiya, P.V., Patel, P.L., Singh, V.P., Barman, B. (eds) Fluid Mechanics and Hydraulics. HYDRO 2021. Lecture Notes in Civil Engineering, vol 314. Springer, Singapore. https://doi.org/10.1007/978-981-19-9151-6_9, pp: 101-113.	

3. Khuntia J.R., Devi K., Das B.S., Khatua K.K. (2022) Turbulence Characteristics in a Rough Open Channel Under Unsteady Flow Conditions. In: Jha R., Singh V.P., Singh V., Roy L.B., Thendiyath R. (eds) River Hydraulics. Water Science and Technology Library, vol 110, pp: 143-155. Springer, Cham. DOI: 10.1007/978-3-030-81768-8_12.
4. Devi K., Das B.S., Khuntia J.R., Khatua K.K. (2022) Boundary Shear Stress Distributions in Compound Channels Having Narrowing and Enlarging Floodplains. In: Jha R., Singh V.P., Singh V., Roy L.B., Thendiyath R. (eds) River Hydraulics. Water Science and Technology Library, vol 110, pp; 127-141. Springer, Cham. DOI: 10.1007/978-3-030-81768-8_11
5. Das B.S., Devi K., Khuntia J.R., Khatua K.K. (2022) Flow Distributions in a Compound Channel with Diverging Floodplains. In: Jha R., Singh V.P., Singh V., Roy L.B., Thendiyath R. (eds) River Hydraulics. Water Science and Technology Library, vol 110, pp: 113-125. Springer, Cham. DOI: 10.1007/978-3-030-81768-8_10.
6. Shejule P., Khuntia J.R., Khatua K.K. (2022) Calibrating Coefficients of Emerged Vegetative Open Channel Flow. In: Jha R., Singh V.P., Singh V., Roy L.B., Thendiyath R. (eds) River Hydraulics. Water Science and Technology Library, vol 110, pp: 249-260. Springer, Cham. DOI: 10.1007/978-3-030-81768-8_21.
7. Sahoo S., Khuntia J.R., Devi K., Khatua K.K. (2022) Energy and Momentum Correction Coefficients in Compound Open Channel Flow. In: Jha R., Singh V.P., Singh V., Roy L.B., Thendiyath R. (eds) River Hydraulics. Water Science and Technology Library, vol 110, pp: 309-320. Springer, Cham. DOI: 10.1007/978-3-030-81768-8_26.
8. Text book "Fluid Mechanics", SunRaise International Publishers, First Edition-2021, ISBN: 978-81-952678-4-2.
9. Depth-Averaged Velocity Distribution for Symmetric and Asymmetric Compound Channels. In Proceedings of MCCS, Springer, Singapore, Chapter 25, pp. 281-292, 2018, E-ISBN: 978-981-10-5565-2, DOI: 10.1007/978-981-10-5565-2_25.
10. Flow Computation in Symmetric and Asymmetric Compound Channels Using Conveyance Estimation System. In Proceedings of the International Conference on NCCS, Springer, Singapore, Chapter 35, pp. 409-415, 2017, E-ISBN: 978-981-10-2999-8, DOI: 10.1007/978-981-10-2999-8_35.

Details of Short-Term Training Programs/ Faculty Development Programs/ Seminars/ Workshops/ Other Trainings (Attended and/or Organized).

1. Participated Two Day Faculty in-house training programme, organized by Internal Quality Assurance Cell (IQAC), CBIT Hyderabad held on 23rd & 30th April, 2022.
2. Participated in the Training Program through Distance Learning on "Land Use Land Cover Mapping using Remote Sensing" Conducted by National Water Academy, Pune during 15th to 17th March 2022.
3. Participated in the Five-Day Webinar Series on Advances in Water Resources Engineering (AWRE-2022) organized by the Department of Civil Engineering, NIT Rourkela and sponsored by GATI DST, Govt. of India during 15th to 19th February 2022.
4. Participated in the Training Program through Distance Learning on "Big Data Applications in Water Resources and Hydro Informatics" Conducted by National Water Academy, Pune during 17th to 21st January 2022.
5. Participated at 5– Day Faculty Development Program On "Ecological and Eco-efficient Construction Practices" Department of Civil Engineering, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur during January 17th – 21st, 2022.
6. Participated in the Training Program through Distance Learning on "Introduction to Python Programming & Its Applications in Water Resources Sector" Conducted by National Water Academy, Pune during 13th to 24th December 2021.
7. Participated in one day webinar on Sustainable Water Resources Management in the Himalayan Region jointly organized by Department of Civil Engineering, IIT Jammu, IIT Indore and NIT Hamirpur on 29th December 2021
8. Participated in one day webinar on Water Management in Hilly Areas for Sustainable Development jointly organized by Department of Civil Engineering, IIT Indore, IIT Jammu and NIT Hamirpur on 17th December 2021
9. Participated in the Two Days Online Training Course on "Evolving the Hydraulic Design of Reservoir and Appurtenant Structures

using Physical and Numerical Modelling" by CWPRS, Pune conducted on 12-13 January, 2021

10. Successfully attended the two days online Training Course on "Physical & Mathematical Modelling of Reservoir and Appurtenant Structures" organized by CWPRS, Pune during 6-7 July, 2021.
11. Successfully completed NPTEL Online Certification Courses of the subject "Hydraulic Engineering", 2021.
12. Successfully attended an online workshop on "Cloud Computing and Hydro-Ecological Modelling for Himalayan Rivers" organized by Department of Civil Engineering IIT Guwahati and NBRI Lucknow on 24th September, 2021.
13. Acted as co-convener for organizing the Online International Conference on "Computing for Sustainable Development in Civil Engineering" (ICCSDC-2021) Organized by Department of Civil Engineering, St. Martin's Engineering College, Dhulapally, Secunderabad during 24th – 25th June, 2021.
14. Acted as co-convener for organizing the Three – Day International Workshop on "Intellectual Property Rights and Innovations in Civil Engineering" Organized by Department of Civil Engineering of St. Martin's Engineering College, Dhulapally, Secunderabad from 08th to 10th June, 2021
15. Acted as co-convener for organizing National Level 3-Day Online Faculty Development Programme on "Innovation, Entrepreneurship & its Relevance in Civil Engineering" Organized by Department of Civil Engineering of St. Martin's Engineering College, Dhulapally, Secunderabad from 10th to 12th May, 2021
16. Participated Technical Talk on "Geotechnical Investigation in Difficult Ground Conditions" Organized by Department of Civil Engineering - IGS Student Chapter, Vidya Jyothi Institute of Technology(A) in association with IGS Hyderabad Local Chapter on May 15 2021.
17. Participated in Three Day Faculty Development Program on "Advances in Finite Element Methods" Organized by Departments of Civil & Mechanical Engineering, Vidya Jyothi Institute of Technology(A) Hyderabad under TEQIP – III, JNTUH from 18th to 20th February 2021
18. Participated in a webinar on "Deep Decarbonisation of buildings, cities and our built environment" organized by the Department of Civil Engineering and FORCE - Forum of Civil Engineering, Presidency University, Bangalore on the occasion of Earth Day 2021 on 22nd April, 2021.
19. Successfully completed the Journal Citation Reports (JCR) Training & Certification Program Series 2021, organized by Clarivate web of Science on 15th and 17th June, 2021.
20. Attended a virtual interactive session on "Funding Opportunities for Aspiring Entrepreneurs" presented by Dr. J. Merrylin, EDP Cell Coordinator, Sarah Tucker College, Tirunelveli organized by Entrepreneurship Development Cell of SCADCET in association with IIC on 30th September, 2021.
21. Successful participated and presented a research paper in the online "10th International conference on Fluvial Hydraulics River Flow 2020" organized by IHE, The Delft, Netherlands from 6th - 17th, July 2020.
22. Successfully completed "Mechanics of Materials I: Fundamentals of Stress & Strain and Axial Loading" an online non-credit five weeks course authorized by Georgia Institute of Technology and offered through Coursera on 21st June, 2020.
23. Successfully attended an online international workshop on "The joy, opportunities and challenges in field of hydrological research" organized by Department of Civil Engineering, NIE, Maysuru and IIT Guwahati from 2nd to 6th November 2020.
24. Attended TEQIP-III sponsored one-week short term course on "Computer Application in Water Resources Engineering (CAWRE 2018)" organized by Department of Civil Engineering during 01st-06th October, 2018 at National Institute of Technology, Rourkela, India.
25. Successfully participated in the 4th IAHR-WMO-IAHS Training Course on Stream gauging organized by IRSEA, Centre de Lyon-Villeurbanne, France from 2nd to 4th September, 2018.
26. Successful participated and presented a research paper in the "9th International conference on Fluvial Hydraulics River Flow 2018" organized by IRSTEA, Lyon-Villeurbanne, France from 5th -8th, September, 2018.

27. Participated in the workshop “Awareness generation on Intellectual property rights” organized by S&T department, Govt. of Odisha, sponsored by TIFAC, DST, Govt. of India held at NIT Rourkela on 27th December, 2017.
28. Successfully participated “International Symposium on River Flow 2016” organised by Civil Engineering Department, NIT Rourkela, India on 25th February 2016.

Details of Journal Publications/ Conferences (National and International)

International Journal

1. Shekhar, D., Das, B. S., Devi, K., Khuntia, J. R., & Karmaker, T. (Oct 2023). Discharge estimation in a compound channel with converging and diverging floodplains using ANN–PSO and MARS. Journal of Hydroinformatics, IWA Publishing, jh2023145, 25 (6), pp: 2479–2499, DOI: 10.2166/hydro.2023.145.
2. Sahoo, S., Khuntia, J. R., Devi, K., Sai Prasad, B. S., & Kumar Khatua, K. (Aug 2023). Turbulence modelling for depth-averaged velocity and boundary shear stress of a dense rigid grass bed open channel. AQUA-Water Infrastructure, Ecosystems and Society, IWA Publishing, 72(9), 1748-1769, DOI: 10.2166/aqua.2023.093.
3. Choudhary, A., Das, B. S., Devi, K., & Khuntia, J. R. (May 2023). ANFIS-and GEP-based model for prediction of scour depth around bridge pier in clear-water scouring and live-bed scouring conditions. Journal of Hydroinformatics, IWA Publishing, 25(3), pp: 1004-1028, DOI: 10.2166/hydro.2023.212.
4. Kumar, S., Pradhan, A., Khuntia, J. R. & Khatua, K. K. (Apr 2023). Evaluation of Flow Resistance in Gravel-Bed Channels with Bed-Load Transport by using Multi-Gene Genetic Programming, Water Resources Management, Springer, 37, pp: 2945–2967, DOI: 10.1007/s11269-022-03409-5.
5. Kumar, S., Khuntia, J. R., Devi, K., Das, B.S. & Khatua, K. K. (2022). Closure to “Discussion on “Prediction of Flow Resistance in an Open Channel over Movable Beds Using Artificial Neural Network”, Journal of Hydrologic Engineering, ASCE, 28 (2), DOI: 10.1061/(ASCE)HE.1943-5584.0002085.
6. Devi, K., Das, B. S., Khuntia, J. R. & Khatua, K. K. (2021). Analytical solution for depth averaged velocity and boundary shear in a compound channel, Water Management, ICE Publishing, 174 (3), pp: 143-158, DOI: 10.1680/jwama.18.00062.
7. Kumar, S., Khuntia, J. R. & Khatua, K. K. (2021). Prediction of Flow Resistance in an Open Channel over Movable Beds Using Artificial Neural Network, Journal of Hydrologic Engineering, ASCE, 26 (5), 04021015, DOI: 10.1061/(ASCE)HE.1943-5584.0002085.
8. Das, B. S., Devi, K., Khuntia. J. R. & Khatua, K. K., (2020). Discharge estimation in converging and diverging compound open channels by using adaptive neuro-fuzzy inference system, Canadian Journal Civil Engineering, NRC Research Press, 47 (12), pp; 1-15, DOI: 10.1139/cjce-2018-0038.
9. Khuntia, J. R., Devi, K. & Khatua, K. K. (2019). Turbulence characteristics in a rough open channel under unsteady flow conditions. ISH Journal of Hydraulic Engineering, Taylor & Francis, pp: 1-12, DOI: 10.1080/09715010.2019.1658549.
10. Khuntia, J. R., Devi, K. & Khatua, K. K. (2019) Flow distribution in a compound channel using an artificial neural network, Sustainable Water Resources Management, Springer. 5, pp. 1847–1858, DOI: 10.1007/s40899-019-00341-2.
11. Khuntia, J. R., Devi, K. & Khatua, K. K. (2018) Prediction of depth-averaged velocity in an open channel flow, Applied Water Science, Springer. 8 (6), pp.:1-14, DOI: 10.1007/s13201-018-0812-9.
12. Khuntia, J. R., Devi, K. & Khatua, K. K. (2018) Boundary shear stress distribution in straight compound channel flow using artificial neural network, Journal of Hydrologic Engineering, ASCE. 23 (5), 04018014, 2018, DOI: 10.1061/(ASCE)HE.1943-5584. 0001651.
13. Devi, K., Khatua, K. K. & J. R. Khuntia (2016). Boundary Shear Stress Distribution for a Two Stage Asymmetric Compound Channel. Arabian Journal of Science and Engineering, Springer, Vol.42, pp.: 1077-1091, DOI: 10.1007/s13369-016-2321-1.
14. Devi, K., Khatua, K. K. & J. R. Khuntia (2016). Discharge Assessment in an Asymmetric Compound Channel by Zero Shear Interface Method, ISH Journal of Hydraulic Engineering, Taylor & Francis, Vol. 23(02), pp.: 126-134, DOI: 10.1080/09715010.2016.1250231.
15. Devi, K., Khatua, K. K., Das, B. S. & J. R. Khuntia (2016). Evaluation of interacting length in prediction of over bank flow. ISH Journal of Hydraulic Engineering, Taylor & Francis. Vol. 23 (02), pp.: 187-194, DOI: 10.1080/09715010.2016.1275828.

National Journal

16. Khuntia, J. R., Devi, K. & Khatua, K. K. (2016). Variation of local friction factor in an open channel flow. Indian Journal of Science & Technology. Vol. 9 (46), pp.: 1-6, DOI: 10.17485/ijst/2016/v9i46/ 105256.

International Conferences:

1. Khuntia J. R., Devi K., Sahoo, S., Das B.S., Khatua K.K. (2023) CFD Simulation of Non-Prismatic Compound Channels using k-ε and k-ω Turbulence Models, In 28th International Conference on Hydraulics, Water Resources and Coastal Engineering (HYDRO 2023 International) at NIT Warangal, India, during December 21-23, 2023.
2. Khuntia J. R., Devi K., Sahoo, S., Das B.S., Khatua K.K. (2022) Numerical Modelling of Flood Routing in Laboratory and Natural Open Channels, 27th International Conference on Hydraulics, Water Resources and Coastal Engineering (HYDRO 2022 International) at PEC Chandigarh, India, during December 22-24, 2022.

3. Khuntia J. R., Devi K., Das B.S., Khatua K.K. and Jena, S. (2021) Effect of Emergent Rigid Vegetation on Flow Properties in an Open Channel, 26th International Conference on Hydraulics, Water Resources and Coastal Engineering (HYDRO 2021 INTERNATIONAL) at SVNIT Surat, Gujarat, India, during December 23-25, 2021.
4. Khuntia, J. R., Devi, K., Das, B. S, Khatua, K. K. and Patra, P.S.K. (2021). Effect of Secondary Flow in Discharge Prediction for Smooth and Rough Open Channels, 4th International Conference on the Status and Future of the World's Large Rivers, 3rd – 6th August 2021, Moscow, Russia.
5. Khuntia, J. R., Devi, K., Das, B. S. and Khatua, K. K. (2021). Turbulent structures under unsteady flow conditions through emergent rigid vegetation, 25th International Conference on Hydraulics, Water Resources and Coastal Engineering (Hydro 2020), 26-28 March, 2021, NIT Rourkela, India.
6. Khuntia, J. R., Proust, S. and Khatua, K. K. (2020). Unsteady open-channel flows over rough bed with and without emergent rigid vegetation: A laboratory experiment, In Proceedings of the Tenth Conference on Fluvial Hydraulics River Flow 2020 (IAHR), CRC Press, Taylor & Francis, ISBN 978-0-367-62773-7, (Delft, Netherlands, 7-10 July 2020) The Delft, Netherland.
7. Khuntia, J. R., Devi, K., Khatua, K. K and Jena, S. (2019). Velocity and turbulence distribution in unsteady open channel flows through an emergent rigid stems. 24th International Conference on Hydraulics, Water Resources and Coastal Engineering (Hydro 2019), Osmania University, Hyderabad, 18th-20th December, 2019, pp.: 1321-1330, ISBN: 978-93-8935-484-3.
8. Khuntia, J. R., Devi, K., Proust, S. and Khatua, K. K. (2018). Depth-averaged velocity and bed shear stress in unsteady open channel flow over rough bed, Ninth International conference on fluvial hydraulics, River Flow 2018 (IAHR), E3S Web of Conferences 40, 05071 (2018), DOI: 10.1051/e3sconf/20184005071
9. Khuntia, J. R., Devi K., Das, B. S. and Khatua K. K. (2018), Turbulence characteristics in a rough open channel under unsteady flow conditions, 23rd International Conference on Hydraulics, Water Resources and Coastal Engineering (Hydro 2018), 19th -21st December 2018, NIT Patna, India.
10. Khuntia, J. R., Devi, K. and Khatua, K. K. (2017). Flow Resistance in Open Channel with Emergent Rigid Vegetation. 22nd International Conference on Hydraulics, Water Resources and Coastal Engineering (Hydro 2017), 21st-23rd December 2017, LDCE, Gujarat.
11. Khuntia, J. R., Khatua, K. K and Jena, S. (2017). Roughness Coefficients in Open Channel Flows with Submerged Rigid Vegetation. 22nd International Conference on Hydraulics, Water Resources and Coastal Engineering (Hydro 2017), 21st-23rd December 2017, LDCE, Gujarat.
12. Khuntia, J. R., Devi, K. and Khatua, K.K. (2016). Calibrating Coefficients for Prediction of Depth Averaged Velocity Distribution. In Proceedings of 21st International Conference on Hydraulics, Water Resources and Coastal Engineering (Hydro2016), CWPRS Pune, India. 8th –10th December 2016, pp.: 1446-1456.
13. Khuntia, J. R., Khatua, K. K. and Jena, S. (2016). Secondary Flow Effect in Discharge Prediction for Smooth and Rough Open Channel Flow. In Proceedings of 21st International Conference on Hydraulics, Water Resources and Coastal Engineering (Hydro2016), CWPRS Pune, India. 8th-10th December 2016, pp.: 1498-1508.
14. Sahoo, S., Devi K., Khuntia J. R., Khatua K.K. (2022). Numerical modelling of bed shear stress for an asymmetric compound open channel, 27th International Conference on Hydraulics, Water Resources, Environmental and Coastal Engineering (HYDRO 2022 International) at Punjab Engineering College Chandigarh, India during December 22 -24, 2022.
15. Shekhar D., Das B. S., Khuntia, J. R., Devi K. (2022) Prediction of Discharge in Converging and Diverging Floodplain by ANN-PSO and MARS, 27th International Conference on Hydraulics, Water Resources, Environmental and Coastal Engineering (HYDRO 2022 International) at Punjab Engineering College Chandigarh, India during December 22 -24, 2022.
16. Devi, K., Das, B. S., Khuntia, J. R., Reddy, G. R., and Prasad, A. L. (2021). Interlinking Prospect of Godavari River with Krishna River. 25th International Conference on Hydraulics, Water Resources and Coastal Engineering (Hydro 2020), NIT Rourklea, Inida, 26th-28th March, 2021.
17. Das B. S., Devi K., Khuntia, J. R. and Khatua, K. K. (2021). Prediction of discharge in non-prismatic compound channel using Extended ISM, 25th International Conference on Hydraulics, Water Resources and Coastal Engineering (Hydro 2020), NIT Rourkela, India, 26th-28th March, 2021.
18. Devi, K., Das, B. S., Khuntia, J. R., and Khatua, K. K (2020). Apparent shear in compound channels with non-uniform flow, Tenth International conference on fluvial hydraulics, River Flow 2020 (IAHR) CRC Press, Taylor & Francis Group, London, ISBN 978-0-367-62773-7, pp: 95-104.
19. Das B. S., Devi K., Khuntia, J. R., and Khatua, K. K. (2020). Experimental investigation of flow in a diverging compound channel. Tenth International conference on fluvial hydraulics, River Flow 2020 (IAHR) CRC Press, Taylor & Francis Group, London, ISBN 978-0-367-62773-7, pp: 1899-1907.
20. Devi, K., Das, B. S., Khuntia, J. R., and Khatua, K. K. (2018). An analytical solution for non-uniform flow in compound channels, Ninth International conference on fluvial hydraulics, River Flow 2018 (IAHR), E3S Web of Conferences 40, 06041 (2018), DOI: 10.1051/e3sconf/20184006041.
21. Devi, K., Khatua, K. K. and Khuntia, J. R. (2017). Improved Analytical Method for Overbank Flow Modelling. In 22nd International Conference on Hydraulics, Water Resources and Coastal Engineering (Hydro 2017), 21st-23rd December, 2017.
22. Devi, K., Khatua, K. K., & Khuntia, J. R. (2017). Flow Computation in Symmetric and Asymmetric Compound Channels Using Conveyance Estimation System. In Proceedings of the International Conference on NCCS, Springer, Singapore, Chapter 35, pp. 409-415.
23. Devi, K., Khatua, K. K. and Khuntia, J. R. (2016). Application in Asymmetric Compound Channel Flow. In Proceedings of 21st International Conference on Hydraulics, Water Resources and Coastal Engineering (Hydro 2016), CWPRS Pune, India. 8th–10th December 2016, pp.:1416-1426.
24. Devi, K., Khatua, K.K. and Khuntia, J.R. (2016). Prediction of mixing layer in symmetric and asymmetric compound channels. In proceeding River Flow 2016 (IAHR), CRC Press, pp. 39-47.

25. Devi, K., Khatua, K.K. and Khuntia, J.R. (2015). Prediction of interacting length for evaluation of discharge in a compound channel. In 20th International Conference on Hydraulics, Water Resources and River engineering (Hydro 2015), IIT, Roorkee, 17th - 19th December, 2015.
26. Devi, K., Khuntia, J. R. and Khatua, K.K. (2018). Application of CES in symmetrical and asymmetrical compound channels. In Proceedings of MCCS, Springer, Singapore, Chapter 25, pp. 281-292.

National Conferences

27. Khuntia, J. R., Devi, K. & Khatua, K. K. (2016). Variation of local friction factor in an open channel flow, National Conference on Technical Advancements in Civil Engineering (NCTACE - 2016) organized by School of Civil engineering, Lovely Professional University, Jalandhar, Punjab during 4-5 April, 2016.

Professional Recognition / Award / Prize / Certificate

1. Received Best Paper Award (Second Prize) in one parallel session at 28th International Conference on Hydraulics, Water Resources, Environmental and Coastal Engineering- HYDRO 2023, NIT Warangal, 2023.
2. Received Appreciation on the occasion of Teachers' Day, 5th September 2022 for efforts and contributions in the field of Research and Development at CBIT, Hyderabad.
3. Received Best Paper Award in one parallel session at 26th International Conference on Hydraulics, Water Resources, Environmental and Coastal Engineering- HYDRO 2021, SVNIT Surat, 2021.
4. ISH G.M. Nawathe Puraskar 2021 (Best Paper in Hydro- 2020 International), The Indian Society for Hydraulics, CWPRS, Pune, India, 2021
5. Received Best Paper and Best Presentation Award in one parallel session at 25th International Conference - HYDRO 2020, NIT Rourkela, 2021.
6. Secured first position in poster presentation of Civil Engineering Dept. during Research Scholars' week (RSW 2019), NIT Rourkela, 2019.
7. Awarded as Raman-Charpak Fellowship 2018-19 for doing six months Ph.D. research work at IRSTEA, Lyon-Villeurbanne, France, CEFIPRA/IFCPAR, DST Govt. of India and Govt. of France, 2018-19
8. Received Best Paper Award in theme River Hydraulics at 23rd International Conference of HYDRO 2018, NIT Patna, 2018
9. Received Prof. U. C. Kothyari Best M. Tech Thesis Award, The Indian Society for Hydraulics, CWPRS, Pune, India, 2016.
10. Received Institute medal for topper in M. Tech of Water Resource Specialization, NIT, Rourkela, India, 2016.
11. Received GATE Scholarship, MHRD, India, 2014.

Invited Guest/ Lectures/ Session chairs/ Advisory Committee

1. Chaired a session at the Second International Conference on Advancements in Sustainable Materials and Infrastructure 2023 (ASMI-2023) held online on 12-13, September 2023. The conference has been jointly organized by Sreenidhi Institute of Science and Technology (SNIST), Hyderabad and K.S.R.M. College of Engineering (K.S.R.M.CE), Kadapa.
2. Guest of honor and chaired a session at online 2nd International Conference on "Revolutionary Technology in Civil Engineering" (ICRTCE-23) organized by Department of Civil Engineering, SMEC, Secunderabad on 24th February 2023.
3. National Advisory Committee member at 27th International Conference on Hydraulics, Water Resources, Environmental, and Coastal Engineering, HYDRO 2022 Organized by Department of Civil Engineering of Punjab Engineering College, Chandigarh in association with The Indian Society for Hydraulics (ISH), Pune during December 22-24, 2022.
4. Chaired a Session at the International Conference on Advances in Civil Engineering 2022 held on 20-22 December 2022, organized by Technology Research and Innovation Centre, India and hosted by the LSKBJ College of Engineering, Chandwad, Nashik, India.
1. Acted as Resource person in our Two week FDP programme on Hands-On Practices in Civil Engineering Computations' scheduled from August 22, 2022 to September 3, 2022 organized by

Department of Civil Engineering in association with ICI Knowledge Centre, VJIT.

1. Chaired a session at the Two-day International Conference held during 24-25 August 2022, organized by the Department of Civil Engineering, Sreenidhi Institute of Science and Ichnology, Hyderabad.
2. Participated in the Innovation and New Knowledge in Water, Sanitation, and Hygiene (INK@WASH 3.0) summit on 5th and 6th May 2022, Hyderabad.
3. National Advisory Committee member at Online International Conference on “Revolutionary Technology in Civil Engineering” (ICRTCE-22) Organized by Department of Civil Engineering, St. Martin's Engineering College, Secunderabad during 10th & 11th March, 2022.
4. Guest of honor at Online 1st International Conference on “Revolutionary Technology in Civil Engineering” (ICRTCE-22) Organized by Department of Civil Engineering, St. Martin's Engineering College, Secunderabad on 10th March, 2022.

Foreign Universities Visit Related to the Research Work

1. Visited to School of Civil Engineering University of Leeds, U.K. for discussion regarding Collaborative research work of UKIERI project at School of Civil Engineering University of Leeds, U.K., June 2016.
2. Visited to Hydraulics laboratory of University of Sheffield, U.K. to discuss potential research opportunities and to disseminate knowledge about the laboratory set up and experimental works, 2016.
3. Visited to Hydraulic and Hydro-morphology laboratory of IRSTEA, Lyon-Villeurbanne, France to discuss potential research opportunities and to disseminate knowledge about the laboratory set up and experimental works, 2018.
4. Carried out PhD research work at Hydraulic and Hydro-morphology laboratory of IRSTEA, Lyon-Villeurbanne, France under the supervision of Dr. Sébastien Proust as awardee of Raman-Charpak Fellow 2018 by CEFIPRA/IFCPAR and jointly funded by the Department of Science and Technology (DST), Government of India and the French Institute in India (IFI), French Embassy in India, Ministry for Europe and Foreign Affairs, Government of France for duration of 6 months, 2019.

Research Profiles

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3. Scopus Author ID: 57191842997
4. Google Scholar Citations: 2yGQdGQAAAAJ
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Referee in International / National Journals / Conferences

1. ISH Journal of Hydraulic Engineering, Taylor & Francis
2. Applied Water Science, Springer
3. Journal of Hydrologic Engineering, ASCE
4. KSCE Journal of Civil Engineering, Springer
5. Sustainable Water Resources Management, Springer
6. International Journal of Sediment Research, Elsevier
7. Journal of Applied Water Engineering and Research, Taylor & Francis
8. Journal of Engineering, Wiley
9. Hydro 2020 International Conference