1	Name	Dr. SRIKUMAR PANDA
2	Designation	Assistant Professor
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Academic qualifications

	Degree	Subject	University	Year
6	Ph.D.	Mathematics	IIT Ropar	2015
	M.Sc.	Mathematics & Computing	IIT Guwahati	2010
	B.Sc.	Mathematics (Hons.)	Jadavpur University	2008

Ph.D. DETAILS

7	Title of the Thesis	Boundary Value Problems Arising in Multi-layered Fluid System
	Field of specialization under subject/discipline	Differential Equation, Fluid Dynamics, Scientific Computing
8	PREVIOUS POSITIONS/Engagement	UGC-Dr. D.S. Kothari Post-Doctoral Fellow (Higher Fellowship), Jadavpur University, Kolkata (From 08th June 2015-20th March 2017)
9	Google scholar page:	https://scholar.google.co.in/citations?hl=en&user=AwyvFvEAAAAJ&view_op=list_works&sortby=pubdate
10	ORCID ID	https://orcid.org/0009-0006-7905-7246
11	HONOURS AND AWARDS	• Emplaned for the post of Assistant Professor in the Degree colleges & Universities, Bihar Public Service Commission, Govt. of Bihar • Ranked 5th in West Bengal College Service Commission, Govt. of West Bengal • Received UGC-Dr. D.S. Kothari Post Doctoral Fellowship (highest post doctoral fellowship in India) • Received NBHM full financial support to present research work in 8th International Congress on Industrial and Applied Mathematics, held at Beijing, P. R. China • Best Mathematical Modeling Award: Awarded with Best Mathematical Modeling in 2011 from Deutscher Akademischer Austausch Dienst (DAAD), GERMAN • Received DST International Travel Grant to present research work in 6th International Conference on Nonlinear Mechanics held at Shanghai, P. R. China • Selected for CSIR Foreign Travel Grant for 12th International Conference of Numerical Analysis and Applied Mathematics, held at Rhodes, Greece • IIT Guwahati Merit Scholarship (Two times) • Qualified JAM, JEM, GATE, CSIR-NET • Awarded Radhashyam Singha Smriti Medal for securing highest marks in Mathematics in Higher Secondary

		Examination, 2004 • National Merit Scholarship (Two times) by MHRD, Govt. of India
12	CURRENT RESEARCH PROJECT/Field of Research	• Mathematical Modelling on Water Wave Phenomenon • Nonlinear Fluid-flow Problems • Nonlinear Differential Equations • Integral Equations and Integral Transforms
13	TECHNICAL UNDERSTANDING AND EXPERIENCE	• Visiting Research Fellow, Indian Institute of Technology Kharagpur, India (From 08th April 2015 – 20th May 2015) • Tutor and Teaching Assistant of various B. Tech. courses offered by the Department of Mathematics, Indian Institute of Technology Ropar, India (From July 2010 – July 2014) • Teaching Assistant of various B. Tech. courses, Jadavpur University, India (From June 2015 – December 2016)
14	SUMMARY OF RESEARCH EXPERIENCE	-
15	EXPERIENCE OF PROJECT MANAGEMENT	-
16	COMPLETE LIST OF PUBLICATIONS (Maintain Harvard Format)	1. **Panda, Srikumar** and Maiti, T. (2023). Two-period decision strategies in a dual-channel supply chain considering reference price and online reviews, *RAIRO: Operations Research*, **57**(6), 2951–2979. 2. **Panda, Srikumar** and Das, R. (2018). A golden section search method for the identification of skin subsurface abnormalities, *Inverse Problems in Science and Engineering*, **26**(2), 183-202. 3. **Panda, Srikumar** and Martha, S.C. (2017). Water-waves scattering by permeable bottom in two-layer fluid in the presence of surface tension, *Mathematical Modelling and Analysis*, **22**(6), 827-851. 4. **Panda, Srikumar.** (2017). A study on nonlinear wet fin problem using homotopy analysis method, *International Journal of Applied and Computational Mathematics*, **3**(2), 1487-1506. 5. Mondal, A., **Panda, Srikumar** and Gayen, R. (2017). Flexural-Gravity wave scattering by a circular-arc-shaped porous plate, *Studies in Applied Mathematics*, **138**(1), 77-102. 6. **Panda, Srikumar**, Mondal, A. and Gayen, R. (2016). An efficient integral equation approach to study wave reflection by a discontinuity in the impedance-type surface boundary conditions, *International Journal of Applied and Computational Mathematics*, **3**(2), 1037-1051. 7. **Panda, Srikumar. (**2016). Oblique wave scattering by an undulating porous bottom in a two-layer ice-covered fluid, *China Ocean Engineering,* **30**(3), 431-446. 8. **Panda, Srikumar,** Martha, S.C. and Chakrabarti, A. (2016). An alternative approach to study nonlinear inviscid flow over arbitrary bottom topography, *Applied*

		Mathematics and Computation, **273**, 165-177. 9. **Panda, Srikumar.** (2016). A study on inviscid flow with a free surface over an undulating bottom, *Journal of Applied Fluid Mechanics*, **9**(3), 1089-1096. 10. **Panda, Srikumar,** Martha, S.C. and Chakrabarti, A. (2015). A modified approach to numerical solution of Fredholm integral equations of the second kind, *Applied Mathematics and Computation*, **271**, 102-112. 11. **Panda, Srikumar**, Martha, S.C. and Chakrabarti, A. (2015). Three-layer fluid flow over a small obstruction on the bottom of a channel, *The ANZIAM Journal*, Cambridge University Press, **56** (3), 248-274. 12. **Panda, Srikumar**. (2015). Oblique wave scattering in a two-layer ice covered fluid over undulating permeable bottom, *Bulletin of the Calcutta Mathematical Society*, **107**(6), 495-506. 13. **Panda, Srikumar** and Martha, S.C. (2014). Oblique wave scattering by undulating porous bottom in a two-layer fluid: Fourier transform approach, *Geophysical and Astrophysical Fluid Dynamics*, **108**(6), 587-614. 14. **Panda, Srikumar**, Bhowmik, A., Das, R., Repaka, R., and Martha, S.C. (2014). Application of homotopy analysis method and inverse solution of a rectangular wet fin, *Energy Conversion and Management*, **80**, 305-318. 15. Bhowmik, A., **Panda, Srikumar**, Das, R., Repaka, R. and Martha, S.C. (2014). Inverse analysis of conductive-convective wet triangular fin for predicting thermal properties and fin dimensions, *Inverse Problems in Science and Engineering*, **22**(8), 1367-1393. 16. **Panda, Srikumar**, Singla, R.K., Das, R. and Martha, S.C. (2014). Identification of design parameters in a solar collector using inverse heat transfer analysis, *Energy Conversion and Management*, **88**, 27-39. 17. **Panda, Srikumar** and Martha, S.C. (2013). Interaction of water waves with small undulation on a porous bed in a two-layer ice-covered fluid, *Journal of Marine Science and Application*, **12**(4), 381-392. 18. **Panda, Srikumar**. (2013). Assessment of homotopy analysis method and modified homotopy perturbation method for strongly nonlinear oscillator, *International Journal of Nonlinear Science*, **16**(4), 291-300.
17	Extracurricular Activities	NCC, Drama
18	Link to personal website (if any)	