



Gangadhar Meher University, Sambalpur (Faculty Profile)

Name	Ashrita Patra			Photograph 
Designation	Assistant Professor			
School	School of Mathematics			
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Address (Residence)	C/107, DE-Habitat Apartment, SreeVihar, Patia, Bhubaneswar-751024			
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ORCID ID	0000-0002-2909-3066			
Researcher ID				
SCOPUS ID	57192934586			
PubMed ID				
Qualifications				
Degree	Institution	Year	Subject Details	
BA/BSc/BCom	S.G. Women's College, Rourkela	2005	Mathematics	
MA/MSc/MCom	NIT, Rourkela	2007	Applied Mathematics	
MPhil	NA			
PhD	NIT, Rourkela	2014	Fractional Differential Equations	
Any other				
Areas of Interest/ Specialization				
Fractional Calculus, Differential equations, Mathematical Modeling, Numerical Analysis				
Teaching/Research Experience				
Organization/Institution	Designation	Duration	Role	
PIET, Rourkela	Lecturer	1 yr. 3 months	Teaching	
REC, Bhubaneswar	Lecturer	1 yr. 1 month	Teaching	
KIIT University, Bhubaneswar	Assistant Professor	5yrs. 8months	Teaching and Research	
GM University, Sambalpur	Assistant Professor	7 months	Teaching and Research	
Awards and Honors (Top Five only)				
Got 1 st position in all India for Senior Research Fellow in 2013 from Council of Scientific and Industrial Research (CSIR)				
International Collaboration/Consultancy (Top Five only)				
Extra-mural Projects (Give Details)				
Projects submitted: one project submitted in CSIR				
Ph. D. Guidance				
Guided (0), Guiding (1)				

Publications					
Number of Publications:					
Books/Monographs :	Total (0),	Last Five Years (0),	Last Three Years (0),	Last One Year (0)	
Book Chapters :	Total (0),	Last Five Years (0),	Last Three Years (0),	Last One Year (0)	
Research papers:	Total (22),	Last Five Years (14),	Last Three Years (6),	Last One Year (3)	
Reviews:	Total (11),	Last Five Years (8),	Last Three Years (5),	Last One Year (2)	
Book chapters:	Total (),	Last Five Years (),	Last Three Years (),	Last One Year ()	
Best Peer/Review Publications (Up to 5)					
1. S. Saha Ray and A. Patra, 2013, “Haar wavelet operational methods for the numerical solutions of Fractional order nonlinear oscillatory Van der Pol system”, Applied Mathematics and Computation (Elsevier),Vol. 220, No. 1, pp. 659-667.					
2. A. Patra and S. Saha Ray, 2014,“Homotopy Perturbation Sumudu Transform Method for solving convective radial fins with temperature-dependent thermal conductivity of Fractional order Energy balance equation”, International Journal of Heat and Mass transfer ,76, 162-170.					
3. A. Patra and S. Saha Ray, 2016, “Analysis for fin efficiency of convective straight fins with temperature-dependent Thermal Conductivity of Fractional order Energy balance equation Using Homotopy Perturbation Sumudu Transform Method”, Alexandria Engineering Journal , 55, pp. 77-85.					
4. S. Saha Ray and A. Patra. 2014,“Numerical Simulation for Fractional order Stationary Neutron Transport Equation using Two-dimensional Haar wavelet Collocation method”, Nuclear Engineering and Design , 278, pp. 71-85.					
5. S. Saha Ray and A. Patra, 2014.“Numerical Simulation Methods for Solving Fractional Neutron Point Kinetic Equations using Multi-step Differential Transform Method”, Physica Scripta , 89, pp. 015204(8pp).					
Paper Presentation in Major Conferences (Up to 5)					
1	Fractional Neutron Point Kinetic equation using Time dependent Reactivity Functions using Collocation method	International Conference on Advanced Mathematical Analysis and its applications, Berhampur Univ.	International (within country)	2020-02-04	
2	Numerical Based solution of Nonlinear Volterra Integral equations using Laplace Decomposition method	4th International Conference on Recent Advances in Mathematical Sciences and its Applications	International (within country)	2020-01-09	
3	Solution of nonlinear fractional partial differential equations using Fractional Complex Transform	National Conference on Recent Advances in Mathematics and Its Applications	National	2018-12-07	
4	Solution of fractional differential equations using transform method	National seminar on Data science with 46th Annual Conference of Odisha Mathematical Society	National	2019-01-19	
5	Solution of Lane Emden type of Equations using Aboodh Transform	International Conference on Advances in Mathematics and Computing 2020	International (within country)	2020-02-07	
Patents (if any)					

Filed: (0), Accepted: (0)				
Events (Seminar/Symposium/Webinar/Workshop/FDP/Conference etc.) organized in capacity of convener/co-convener				
National: (2), International: (0)				
Memberships of Professional Bodies/Societies (Up to 5)				
1. Life membership on Odisha Mathematical Society 2. Life membership in Indian Mathematical Society				
Other Details (Academic/Research Related)				
Nil				
Research Matrix [Current]				
Database	Total citations	Total publications	Open Access	h-index
WoS				
Publons				
Scopus	251	21	14	9
PURE				
GS	317	21	14	9
RG	251	21	14	9
ICI				

Ashrita Patra
(Signature)