




## Gangadhar Meher University, Sambalpur (Faculty Profile)

Name	Dr. Bijaya Laxmi Panigrahi			<div>Photograph</div> 
Designation	Associate Professor			
School	Mathematics			
Address (Office)	Department of Mathematics, GMU			
Address (Residence)				
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Email	blpanigrahi@gmuniversity.ac.in			
Alternate Email	bijayalaxmi.panigrahi@gmail.com			
ORCID ID	0000-0001-5512-3807			
Researcher ID	M-8233-2019			
SCOPUS ID	36606820600			
PubMed ID				
Qualifications				
Degree	Institution	Year	Subject Details	
BA/BSc/BCom	Sambalpur University	2002	Mathematics(Hons.)	
MA/MSc/MCom	Sambalpur University	2004	Mathematics	
MPhil	Sambalpur University	2005	Mathematics	
PhD	Indian Institute of Technology Kharagpur	2011	Mathematics	
Any other				
Areas of Interest/ Specialization				
Numerical Functional Analysis Spectral approximations of Integral Operators Numerical solutions of Nonlinear Integral equations Inverse Problem				
Teaching/Research Experience				
Organization/Institution	Designation	Duration	Role	
Sambalpur University	Assistant Professor	Dec 2012 to March 2020	Teaching and Research	
Institute of Mathematics and Applications, BBSR	Faculty	Sept 2011 to Dec 2012	Teaching and Research	
Awards and Honors (Top Five only)				
Qualified GATE 2007, received MHRD Scholarship First class first in M.Sc, Sambalpur University, 2004 (Received Gold-Medal) Best Tenth in B.Sc, Sambalpur University, 2002				
International Collaboration/Consultancy (Top Five only)				
Extra-mural Projects (Give Details)				
Completed : 1 (DST, SERB Fast Track Young Scientists) Projects in hand : Projects submitted:				
Ph. D. Guidance				

Guided ( 1 ), Guiding ( 2 )				
<b>Publications</b>				
Number of Publications: 22				
Books/Monographs :	Total (    ),	Last Five Years (    ),	Last Three Years (    ),	Last One Year (    )
Book Chapters :	Total ( 1 ),	Last Five Years (    ),	Last Three Years ( 1 ),	Last One Year (    )
Research papers:	Total (21 ),	Last Five Years ( 12 ),	Last Three Years ( 9 ),	Last One Year ( 3 )
Reviews:	Total (    ),	Last Five Years (    ),	Last Three Years (    ),	Last One Year (    )
Book chapters:	Total (    ),	Last Five Years (    ),	Last Three Years (    ),	Last One Year (    )
<b>Best Peer/Review Publications (Up to 5)</b>				
<ol style="list-style-type: none"> <li>1. <b>B. L. Panigrahi</b>, Error analysis of Jacobi spectral collocation methods for Fredholm-Hammerstein integral equations with weakly singular kernel, <i>International Journal of Computer Mathematics</i>, 96(6), 1230–1253, 2019</li> <li>2. <b>B.L. Panigrahi</b>, M. Manadal, G. Nelakanti, Legendre multi-Galerkin methods for Fredholm integral equations with weakly singular kernel and the corresponding eigenvalue problem, <i>Journal of Computational and Applied Mathematics</i>, 346 224-236, 2019</li> <li>3. <b>B. L. Panigrahi</b>, Hybrid collocation methods for eigenvalue problem of a compact integral operator with weakly singular kernel, <i>Applied Mathematics and Computation</i>, 328 (2018) 353-364.</li> <li>4. <b>B. L. Panigrahi</b>, G. Nelakanti. Richardson extrapolation of iterated discrete Galerkin method for eigenvalue problem of a two dimensional compact integral operator. <i>Journal of Scientific Computing</i> 51 (2012) 421--448.</li> <li>5. <b>B. L. Panigrahi</b>, G. Nelakanti. Legendre Galerkin method for weakly singular Fredholm integral equations and the corresponding eigenvalue problem. <i>Journal of Applied Mathematics and Computing</i> 43 (2013) 175--197.</li> </ol>				
<b>Paper Presentation in Major Conferences (Up to 5)</b>				
<ul style="list-style-type: none"> <li>• <b>B. L. Panigrahi</b>, Chebyshev spectral projection methods for Fredholm integral equations of the second kind and the corresponding eigenvalue problem, JECRC University, Jaipur, Rajasthan, 8-10 August 2019, International Conference on Mathematical Modelling, Applied Analysis and Computation (ICMMAAC-19) .</li> <li>• <b>B. L. Panigrahi</b>, Hybrid collocation methods for eigenvalue problem of a compact integral operator, VIT Vellore, 13-15 Dec. 2018, Expert Talk, International conference on applications of fluid dynamics.</li> <li>• <b>B. L. Panigrahi</b>, Discrete Legendre collocation methods for Fredholm-Hammerstein integral equations with weakly singular kernel, Fourth International Conference on Mathematics and Computing 2018, Indian Institute of Technology (BHU) Varanasi, India, Jan 9-11, 2018.</li> <li>• <b>B.L. Panigrahi</b>, Singularity preserving projection methods for eigenvalue problem of an integral operator with logarithmic kernel, National Conference on Engineering Mathematics (TOPAS-2017), Indian Institute of Technology Kharagpur, India, 16-17, December 2017.</li> <li>• <b>B. L. Panigrahi</b>, N. Gnaneshwar. Richardson extrapolation of discrete Projection method for eigenvalue problem of a two-dimensional compact integral operator. International Congress of Mathematicians (ICM), Hyderabad, India, August 19 -- 27, 2010.</li> </ul>				
<b>Patents (if any)</b>				
Filed: (    ), Accepted: (    )				
<b>Events (Seminar/Symposium/Webinar/Workshop/FDP/Conference etc.) organized in capacity of convener/co-convener</b>				
National: (    ), International: (    )				
<b>Memberships of Professional Bodies/Societies (Up to 5)</b>				
Life member of Orissa Mathematical Society				
<b>Other Details (Academic/Research Related)</b>				
<b>Research Matrix [Current]</b>				
<b>Database</b>	<b>Total citations</b>	<b>Total publications</b>	<b>Open Access</b>	<b>h-index</b>
<b>WoS</b>	60	9	Nil	6
<b>Publons</b>	60	9	Nil	6
<b>Scopus</b>	79	13	Nil	6
<b>PURE</b>				
<b>GS</b>	130	22	Nil	7
<b>RG</b>	101	23	Nil	7
<b>ICI</b>				

(B. L. Panigrahi)

