



Gangadhar Meher University, Sambalpur (Faculty Profile)

Name	Dr. Pramoda Kumar Samal			Photograph
Designation	Associate Professor			
School	School of Physics			
Address (Office)	School of Physics Gangadhar Meher University Amruta Vihar Sambalpur Odisha Pin- 768004			
Address (Residence)	Shivam Colony Back side of Income tax office Ainthapali Sambalpur Odisha Pin- 768004			
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ORCID ID	0000-0003-1490-4679			
Researcher ID	AAZ-8283-2020			
SCOPUS ID	2603290			
PubMed ID				
Qualifications				
Degree	Institution	Year	Subject Details	
B.Sc	S.C.S. College, Puri	2001	Physics (Hons.), Chemistry(Pass), Mathematics(Pass)	
M.Sc	Utkal University	2003	Physics	
M.Phil	NA	NA	NA	
Ph.D	Indian Institute of Technology, Kanpur	2011	Cosmology; Cosmic Microwave Background (CMB)	
Any other	NA			
Areas of Interest/ Specialization				
Cosmology: Theory and Data Analysis, Cosmic Microwave Background Radiation: Violation of statistical isotropy, Angular Power Spectrum Estimation				
Teaching/Research Experience				
Organization/Institution	Designation	Duration	Role	
Indian Institute of Technology Kanpur	Junior Research Fellow	28 December 2003 to 31 December 2005	Research & Laboratory Instructor	
Indian Institute of Technology Kanpur	Senior Research Fellow	01January 2006 to 31 December 2008	Research, Tutor Teaching Assistant, & Laboratory Instructor,	
Indian Institute of	Project Senior Research Assistant	01 January 2009 to	Research	

Technology Kanpur		30 November 2009	
North Orissa University	Assistant Professor	02 December 2009 to 04 March 2010	Teaching and Research
Utkal University	Assistant Professor	08 March 2010 to 06 March 2020	Teaching and Research
Gangadhar Meher University	Associate Professor	07 March 2020 to Continuing	Teaching and Research
Awards and Honors (Top Five only)			
Orissa Physical Society Young Scientist Award for Theory for the year 2013			
Visiting Associate to Inter-University Centre for Astronomy and Astrophysics, Pune from 2010 to 2019			
Cash award of Rs. 20, 000/- for journal publications by DRPG, Indian Institute of Technology Kanpur			
Joint Secretary, Orissa Physical Society			
International Collaboration/Consultancy (Top Five only)			
Department of Physics & Astronomy, University of Kansas, Lawrence, KS 66045, USA			
California Institute of Technology, Pasadena, CA 91125, USA			
Jet Propulsion Laboratory, Pasadena, CA 91109, USA			
CNRS, Laboratoire APC, Paris, France			
Institut d'Astrophysique de Paris, Paris, France			
Extra-mural Projects (Give Details)			
Completed : NA			
Projects in hand : One			
Projects submitted:			
Ph. D. Guidance			
Guided (00), Guiding (01)			
Publications			
Number of Publications:			
Books/Monographs :	Total (01),	Last Five Years (00),	Last Three Years (00), Last One Year (00)
Book Chapters :	Total (00),	Last Five Years (00),	Last Three Years (00), Last One Year (00)
Research papers:	Total (11),	Last Five Years (05),	Last Three Years (03), Last One Year (01)
Reviews:	Total (00),	Last Five Years (00),	Last Three Years (00), Last One Year (00)
Best Peer/Review Publications (Up to 5)			
Pramoda Kumar Samal , Rajib Saha, Pankaj Jain, John P. Ralston “Testing Isotropy of Cosmic Microwave Background Radiation.” <i>Monthly Notices of the Royal Astronomical Society</i> , Volume 385, Issue 4, Pages 1718-1728, Apr 2008.			
• Journal Impact Factor: 5.356			
Pramoda Kumar Samal, Rajib Saha, Pankaj Jain, John P. Ralston “Signals of Statistical Anisotropy in WMAP Foreground Cleaned Maps.” <i>Monthly Notices of the Royal Astronomical Society</i> , Volume 396, Issue 1, Pages: 511-522, June 2009			
• Journal Impact Factor: 5.356			
Pramoda Kumar Samal, Rajib Saha, Jacques Delabrouille, Simon Prunet, Pankaj Jain, Tarun Souradeep, “CMB Polarization and Temperature Power Spectra Estimation using Linear Combination of WMAP 5-year Maps.” <i>Astrophysical Journal</i> , Volume 714, Issue 1, Pages: 840-851, 2010.			
• Journal Impact Factor: 5.745			
Pavan K. Aluri, Pramoda Kumar Samal, Pankaj Jain, John P. Ralston “Effect of foregrounds on the cosmic microwave background radiation multipole alignment.” <i>Monthly Notices of the Royal Astronomical Society</i> , Volume 414, Issue 2, Pages: 1032-1046, June 2011.			
• Journal Impact Factor: 5.356			
Pranati K. Rath, Pramoda Kumar Samal, Srikanta Panda, Debesh D. Mishra and Pavan K. Aluri; “Testing statistical isotropy in cosmic microwave background polarization maps”; <i>Monthly Notices of the Royal Astronomical Society</i> , Volume 475, Issue 4, Pages: 1032-1046, June 2018			
• Journal Impact Factor: 5.356			
Paper Presentation in Major Conferences (Up to 5)			
“Testing Isotropy of the Cosmic Microwave Background Radiation” in International Conference on Gravitation and Cosmology at			

the Inter-University Centre for Astronomy and Astrophysics , Pune, India. December 17–21, 2007				
“ <i>Testing Isotropy of the Cosmic Microwave Background Radiation</i> ” in Indian Conference on Cosmology and Galaxy Formation at Harish-Chandra Research Institute , Allahabad, India. November 3–5, 2007				
“ <i>CMB Power Spectra Estimation using linear combination of WMAP 5 years maps</i> ” in the international conference on “Cosmology Rapid Response Meeting” at Tata Institute of Fundamental Research , Mumbai, India. April 6–8, 2010.				
“ <i>Question of Isotropy of Universe</i> ” in Programme for the Associate FEST at the Inter-University Centre for Astronomy and Astrophysics , Pune, India. June 25–29, 2012.				
“ <i>Testing statistical isotropy in cosmic microwave background polarization maps</i> ” in Workshop on Geometrical and Topological Methods for Cosmological Data Analysis at National Institute of Science Education and Research (NISER) , Bhubaneswar from 20-07-2019 to 23-07-2019				
Patents (if any)				
Filed: (00), Accepted: (00)				
Events (Seminar/Symposium/Webinar/Workshop/FDP/Conference etc.) organized in capacity of convener/co-convener				
National: (07), International: (00)				
Memberships of Professional Bodies/Societies (Up to 5)				
Patron member of Orissa Physics Society				
Co coordinator of Centers of Excellence, Utkal University				
Member of ICT Committee, Utkal University				
Deputy-Coordinator UGC-DRS (SAP) Programme, Utkal University				
Joint Secretary of Vani Vihar Physics Alumni Association, Utkal University				
Other Details (Academic/Research Related)				
1. Pankaj Jain, John P. Ralston, Pramoda Kumar Samal , Rajib Saha “Is the Universe Isotropic?” <i>Proceedings of the 18th DAE-BRNS High Energy Physics Symposium, BHU, Volume 18, page 89, 2008.</i>				
2. Sharmili Rudra, Akhilesh P. Nandan, Himangshu Neog, S. Biswas, S. Mahapatra, B. Mohanty, and P. K. Samal “Cosmic ray spectroscopy using plastic scintillator detector” <i>Proceedings of the DAE Symp. on Nucl. Phys. 59, 2014</i>				
3. Edited Books: “Cosmology with Cosmic Microwave Background Radiation”; Lambert Academic Publishing; Date of publication: 10/2015; ISBN: 978-3-659-784				
Research Matrix [Current]				
Database	Total citations	Total publications	Open Access	h-index
WoS	111	11	00	04
Publons	111	11	00	04
Scopus	111	11	00	04
PURE				
GS	171	12	00	06
RG	142	11	00	05
ICI				

(Signature)