Bio data:

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Mailing Address	*Department of Physics, Ramananda Centenary College, Laulara, Purulia, 723151*
Educational Qualification	**M. Sc., Ph. D thesis submitted.**
Membership of the Distinguished Institution of India and Abroad	
Member/ administrator of the Several Committees of the College and other organizations	1. *Head of the Department, Department of Physics, Ramananda Centenary College.* 2. *Member of IQAC*
Research Interest	*General theory of relativity, Higher order gravity, Noether Symmetry, Canonical formulation of modified gravity, Wormholes.*
Papers/ Topics taught at Classes of BA/ B.SC/ B.Com	*Classical Mechanics, Quantum mechanics, Electrodynamics, Mathematical methods, Atomic and Nuclear physics, Electronics, Optics, Solid state physics.*

	Name of the Journal/ Edited Volume/ Books/ Monographs	Title of the Paper	Vol. No./ Issue No. Year	ISSN/ISBN No. with Impact Factor (if any)	Publisher	National/ international
Selected Publications	*Classical and Quantum Gravity*	*Canonical formulation of the curvature-squared action in the presence of a lapse function.*	**Volume** : 29, **Issue Number** : 21(215007), **Year** : 2012	**ISSN** : *0264-9381 (print) 1361-6382 (web)* **Impact Factor** : 2.837	*IOP Publishing (United Kingdom)*	*International*
	do	*Euclidean wormholes with minimally coupled scalar fields.*	**Volume**: 30, **Issue Number**: 17(175013), **Year** : 2013	*do*	*do*	*do*
	Physical Review D	*Canonical formulation of scalar curvature squared action in higher dimensions.*	**Volume** : 90 **Issue Number** : 4(047504), **Year** : 2014	**ISSN** : 2470-0010 (print) 2470-0029 (web) **Impact Factor:** 4.506	*American Physical Society (United States)*	*do*
	General Relativity and Gravitation	*Resolving the issue of branched Hamiltonian in modified Lanczos-Lovelock gravity.*	**Volume** : 48 **Issue Number** : 7 **Year** : 2016	**ISSN** : 0001-7701 (Print) 1572-9532 (web) **Impact Factor** : 1.668	*Springer (United States)*	*do*
	Modern Physics Letters A	*Validating variational principle for higher order theory of gravity.*	**Volume** : 30 **Issue Number** : 24(1550119) **Year** : 2015	**ISSN** : 0217-7323 (print) 1793-6632 (web) **Impact Factor** : 1.338	*World Scientific (Singapore)*	*do*

Forthcomings publications :

History of cosmic evolution with Gauss-Bonnet-dilatonic coupled term,
S. Debnath, A. K. Sanyal, S. N. Ruz and R. Mandal
communicated; [arXiv:1608.04669].

	Title of the Paper	*National/ International*	*Date/Year*	*Organizer/Venue*
Paper Presented in the National and International Seminar/ Conference	*Canonical quantization of modified gravity action in the presence of a lapse function.*	*International*	*March 7-9, 2013*	*27-th Meeting of Indian Association For General Relativity and Gravitation(IAGRG),* **Venue :** *Dept. of Physics, H N Bahuguna Garhwal University, Srinagar, Garhwal, Uttarakhand.*
	Canonical quantization of R^2 gravity action	*National*	*March 13-15, 2014*	*National Conference on Current Trends in Particle Physics Research,* <u>**Venue**</u> *: Dept. of Physics, University of Kalyani, Kalyani, Nadia, West Bengal.*
Other informations (if any)	*Undertook academic visit at Inter University Center For Astrophysics and Astronomy, Pune University Campus, Ganeshkhind, Pune, Maharashtra 411007 during 12-th October to 3-rd November, 2013.*			

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