



## Bio-Data

of

### **Dr. Surendra Roy**

P.G. Department of Physics,

L.S.College, Muzaffarpur

B.R.A.Bihar University, Muzaffarpur - 842001

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**(A) General Information :-**

- (a) Name : **Dr. Surendra Roy**
- (b) Date of Birth : 15<sup>th</sup> Feb. 1968
- (c) Sex : Male
- (d) Blood Group : A+
- (e) Name of Appointment : Open Advertisement
- (f) Date of Joining : At B.R.A.Bihar University-26<sup>th</sup> June, 2003  
At M.S.College, Motihari-24th July, 2003  
At L.S.College, Muzaffarpur -01 August 2006
- (g) Designation : Associate Professor  
University Department of Physics,  
B.R.A.Bihar University, Muzaffarpur  
Pin - 842001
- (h) Area of Specialization : Electronics

**(B) Academic Qualification :-**

<b>S. No.</b>	<b>Exam Passed</b>	<b>Board/University</b>	<b>Subject</b>	<b>Year</b>	<b>Division/ Grade Merit etc.</b>
(i)	<b>Matric</b>	B.S.E.B. Patna	Phy, Chem, Hindi, Adv. Math, English	1984	1 <sup>st</sup> Division
(ii)	<b>Intermediate Science</b>	B.I.E.C. Patna	Phy, Chem, Hindi, English	1986	1 <sup>st</sup> Division
(iii)	<b>Bachelor's Degree(s) B.Sc. (Physics Hons.)</b>	M.U.Bodhgaya	Physics (Hons.)	1991	1 <sup>st</sup> Class
(iv)	<b>Master's Degree(s) M.Sc. (Physics)</b>	B.R.A.Bihar University, Muzaffarpur	Physics (Special Paper-Electronics)	1993	1 <sup>st</sup> Class
(v)	<b>Other (BET)</b>			1998	
(vi)	<b>Research Degree (Ph.D.)</b>	L.N.M.U. Darbhanga	The Scattering of Electromagnetic Wave from Sea Surface	2006	Date of award 2006

**(C) Research Activities :-**

- (a) Ph.D. : Awarded
- (i) Title of the Thesis : "The Scattering of Electromagnetic Wave from Sea Surface".
- (ii) Year of award of Degree: 2006
- (iii) Name of University : L.N.M.U. Darbhanga (Bihar).
- (b) Ph.D. Produced : 05 (Five)
- (c) Ph.D. Thesis Submitted : None
- (d) Ph.D. Thesis to be submitted : None

**(D) Project Work :- None**

**(E) Award :- Dr. Ambedkar Fellowship National Award - 2014**

**(F) Extra Curriculum :-**

(a) A.N.O. in N.C.C.

(b)

(c)

**(G) Orientation Course :- 01**

S.No.	Name of Course	Grade	Duration
(i)	"44th ORIENTATION COURSE, Organized by A.S.C., B.R.A.Bihar University, Muzaffarpur-842001	A	20 Jan. 2004 to 16 Feb. 2004

**(H) Refresher Course :- 04**

S.No.	Name of Course	Grade	Duration
(i)	Refresher course in Physics organized by B.R.A.Bihar University, Muzaffarpur-842001	A	08 Feb. 2006 to 28 Feb. 2006
(ii)	Refresher course in New Trend in Physics, QM, QFT, S.S. and Electronics, organized by A.S.C. B.R.A.Bihar University, Muzaffarpur-842001	A	14 Feb. 2009 to 06 March 2009
(iii)	14th Refresher course in Physics, organized by A.S.C. B.R.A.Bihar University, Muzaffarpur-842001	A	31 March 2011 to 20th April 2011
(iv)	15th Refresher course in Physics, organized by A.S.C. B.R.A.Bihar University, Muzaffarpur-842001	A	21 Jan. 2015 to 10 Feb. 2015

**(I) Publications :- 09**

(a) Paper Published	:	(i) Accepted	:	09
		(ii) Communicated	:	None
(b) Book Published	:	(i) Accepted	:	None
		(ii) Communicated	:	None

S.No.	Title of Paper, Name of Publication, and Publication Year etc.
(1)	<b>Analysis of the Scattering from Tarets on Ocean - like rough surface.</b> Authors - <b>Surendra Roy</b> and Dr. Hare Krishna Jha, Accepted on 27th Dec. 2003 in the Society for the progress of Science (Physics) Vol.XXX, P.2004, No.3
(2)	<b>Vibrational Spectral Studies on 2, 5-Oichloraniline.</b> Authors - H.C.Rai, A.B.Saran and <b>Surendra Roy</b> , Published on 22nd May 2006 in Indian Association for the Cultivation of Science, Vol.80, No.5
(3)	<b>Study of Photonic Band Gap Structures in Quasi Crystals</b> Authors - Shiv Prakash Kumar, Rajiv Ranjan, A.K.Mishra, <b>Surendra Roy</b> , Published on 01 July - Dec., 2009 in Journal of Physical Science
(4)	<b>A Fresh look at the Scattering of Electromagnetic Wave from a Fractal Surface.</b> Authors - Md. Mustaqueen and <b>Surendra Roy</b> , Published on 21 Feb. 2010 in Jour. PAS, Vol.16 (Physical Science), pp.20-30, 2010.
(5)	<b>Electronic and Transport Properties of Carbon, Nanotubes.</b> Author - Vikash Kumar, Janardan Chaudhary, <b>Surendra Roy</b> , Md. Mustaqueen and Amita Sharma in Bulletin of pure and applied Science. Vol.29D (No.2), 2010, p.137-141
(6)	<b>Theoretical Study of Transport Properties of Liquid Semiconductor</b> Manisha Samarth, Anjana Kumari, Satyandra Prasad Singh, <b>Surendra Roy</b> and Tarun Kumar Dey, in Journal of Physical Science, Vol.-4(2), 18-107-116 (2014) ISSN : 0975-5519
(7)	<b>Study of Scattering from Target at Low Altitude above Rough Sea Surface</b> Authors : <b>Surendra Roy</b> , Published in An International Journal of Emerging Technologies and Innovative Research, Vol.-5, 10 Oct. 2018, ISSN : 2349-5162
(8)	<b>Study of Influence of the Rough Boundary on Radar Reflectivity of Isotropic Reflector</b> Author - <b>Surendra Roy</b> , Published in International Journal of Advance Engineering and Research Development, Vol.5, 04 April 2018.
(9)	<b>Study of Signal Distortion by Radar System for Mars Atmosphere</b> Author - <b>Surendra Roy</b> , Published in International Journal of Emerging Technology and Advance Engineering. ISSN : 2250-2459 (Online) Vol.-8, 2 Feb. 2018

**(J) Seminar/Conference/Workshop Attended :- 11**

<b>S.No.</b>	<b>Name of Seminar/Conference, Place and Year etc.</b>
(1)	<b>National Conference on Lasers and their Application in Basic and Applied Science (NCL BAS-2005)</b> at Dept. of Physics, Visva-Bharti Santiniketan-731235, India on 10-13, 2005.
(2)	<b>Vaigyanic and Takniki Shabdawali, (Vigyan Shikshan in Hindi Medium)</b> , Conducted by Dept. of Physics, B.R.A.Bihar University, Muzaffarpur, Bihar, India from 28 <sup>th</sup> Feb. to 2 <sup>nd</sup> March, 2006..
(3)	<b>National Conference on Atomic, Molecular &amp; Nano Physics</b> , at Dept. of Physics, Rajendra College, J.P.University, Chapra (Bihar) on 09 <sup>th</sup> Oct. 2008.
(4)	<b>19<sup>th</sup> Annual Conference of the purvanchal academy of sciences</b> , at T.D.Post Graduate College, Jaunpur (U.P.) on 20 <sup>th</sup> Feb. - 21 <sup>st</sup> Feb. 2010.
(5)	<b>National Conference, 27<sup>th</sup> Annual Conference of the Mathematical Society, Banaras Hindu University</b> , at B.R.A.B.U. Lucknow on 26 <sup>th</sup> Nov-27 <sup>th</sup> Nov. 2011.
(6)	<b>99<sup>th</sup> Indian Science Congress Association</b> , at KIIT University, Bhubneshwar, from 03 <sup>rd</sup> January to 07 <sup>th</sup> January, 2012.
(7)	<b>100<sup>th</sup> Indian Science Congress Association</b> , at Calcutta University, Kolkata, from 03 <sup>rd</sup> January to 07 <sup>th</sup> January, 2013.
(8)	<b>101<sup>th</sup> Indian Science Congress Association</b> , at Jammu University, Jammu, from 03 <sup>rd</sup> February to 07 <sup>th</sup> February, 2014.
(9)	<b>104<sup>th</sup> Indian Science Congress Association</b> , at S.V. University, Tirupati, from 03 <sup>rd</sup> January to 07 <sup>th</sup> January, 2012.
(10)	<b>105<sup>th</sup> Indian Science Congress Association</b> , at Manipur University, Imphal, from 16 <sup>th</sup> March to 20 <sup>th</sup> March, 2018.
(11)	<b>Workshop participated in Regional Workshop on Research Based Pedagogical tools</b> , April 10-12, 2018, Central University of South Bihar, Patna, Bihar, funded by DBT.

**(K) Paper Presented in Seminar/Conference/Workshop :- 02**

<b>S.No.</b>	<b>Name of Seminar/Conference, Place and Year etc.</b>
(1)	<b>Paper presented in 104<sup>th</sup> Indian Science Congress Association</b> , at S.V. University, Tirupati, from 03rd January to 07th January, 2017. Title : Study of ..... Reflector in the Physical Science.
(2)	<b>Paper presented 105<sup>th</sup> Indian Science Congress Association</b> , at Manipur University, Imphal, from 16 <sup>th</sup> March to 20 <sup>th</sup> March, 2018. Title : Analysis of ..... Ionosphere in the Physical Science.