

## BIO – DATA

**Name** : DR. SANTOSH KUMAR  
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**Date of Birth** : 20<sup>th</sup> January, 1987  
**Marital Status** : Married  
**Designation** : Assistant Professor of Physics  
**Correspondence Address** : Q. No. D/7, Ratwara Gandak Colony,  
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**Qualifications** : M.Sc., Physics (Gold Medalist),  
 Ph.D., Physics,  
 CSIR-UGC-NET (Physical Sciences)  
**Area of Specialization** : Electronics  
**Teaching Experience** : U. G. Level: 15 Years  
 P. G. Level: 10 Months



**Colleges Taught** : 03  
 1. R. S. S. College, Chochahan, Muzaffarpur from 03.03.2010 to 23.01.2020  
 2. R. C. College, Sakra, Muzaffarpur from 10.02.2020 to 04.12.2024  
 3. C. M. Science College, Darbhanga from 05.12.2024 to continue.

### **Administrative and Academic Experience :**

1. Nodal Officer, R. S. S. College, Chochahan, 2012
2. Examination Superintendent for BCC Online Exam, Sahaj Vashudha Kendra, 2014

3. Course Coordinator for the 81<sup>st</sup> Orientation Course, Academic Staff College, B. R. A. Bihar University, Muzaffarpur, 03.05.2014 to 30.05.2014.
4. Resource Person in Orientation Course, Academic Staff College, B. R. A. Bihar University, Muzaffarpur, 27.03.2012-23.04.2012, 23.11.2012-20.12.2012, 01.02.2013-28.02.2013, 26.02.2013-13.03.2013, 29.03.2013-25.04.2013.

**Research Experience** : 06 Years

**Administrative Experience:**

**Research Paper(s) Published (National + International): 06**

**Research Paper(s) Published (National): 03**

**Research Paper(s) Published (International): 03**

**Book (s) Published**

**Book** : 02 (Extra sheet attached)

**Book Chapter Published  
in an International Book** : 01 (Extra sheet attached)

**Award Received** : 02

**Seminar(s), Webinar(s), Conference(s), Web-Conference(s), Workshop(s),  
Online Workshop(s) and Academic Programme(s) attended (National &  
International): 26**

**Orientation Course attended :**

1. Sponsored by U.G.C. in the Academic Staff College, B. R. A. Bihar University, Muzaffarpur (from 28.01.2014 to 24.02.2014), Grade-'A' obtained.
2. UGC-Approved Short Term Professional Development Programme on "Implementation of NEP-2020 for University and College Teachers", Staff Training and Research Institute of Distance Education, IGNOU under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, 17-25 October, 2022. (Obtained "A" Grade)

3. 3<sup>rd</sup> NEP 2020 Orientation & Sensitization Programme, UGC-Malaviya Mission Teacher Training Centre, B. R. A. B. U., Muzaffarpur, 16-23 February, 2024.

### **List of Publications**

#### **Research Paper(s) Published (National & International):**

1. S. Kumar and S. Kumar: (2015) “Condition of constrained motion of a cable-connected satellites system at low altitude”, Jr. P.A.S., Jaunpur, India, Vol. (21) (Physical Science), pp. 11-18.
2. S. Kumar and S. Kumar (2015) “A cable-connected satellites system under several influences” : Indian Jr. Th. Phy., Kolkata., Vol. 63(1,2), pp. 41-51.
3. S. Kumar and S. Kumar: (2016) “Equilibrium positions of a cable-connected satellites system under several influences”, International Jr. Astro. & Astrophysics, China, Vol. 06, pp. 288-292.
4. S. Kumar and S. Kumar: (2016) “Stability of equilibrium position of a cable-connected satellites system under several influences”, International Jr. Physical & App. Sciences, Vol. 03 (Issue 08, August), pp. 12-18.
5. S. Kumar and S. Kumar: (2018) “Equilibrium positions of a cable-connected satellites system under the influence of solar radiation pressure, earth’s shadow, earth’s oblateness and air resistance: elliptical orbit”, International Jr. Physical & App. Sciences, Vol. 05 (Issue 07, July), pp. 15-21.

6. S. Kumar and S. Kumar (2018) “A cable-connected satellites system: stability in elliptical orbit of centre of mass of the system” : Indian Jr. Th. Phy., Kolkata., Vol. 66(1,2), pp. 35-42.

**Book(s) Published :**

- (i) Book: Semester Solution Physics, (Semester-I), Verma Book Depot, Upper Bazar, Ranchi, Jharkhand, (2015).
- (ii) Book: Semester Solution Physics, (Semester-II), Verma Book Depot, Upper Bazar, Ranchi, Jharkhand, (2016).

**Book Chapter Published in an International Book:**

**Name of the Book:** New Insights into Physical Science,

**Volume:** 10, **Chapter:** 05, **Page:** 100 to 107.

**Topic of the chapter:** Study on equilibrium positions of a cable-connected satellites system under several influences.

**Authors:** Santosh Kumar & Sangam Kumar

**Publisher:** Book Publisher International, India-United Kingdom, Hoogly-London

**Year:** 2020 (First Edition)

**ISBN:** 978-93-90516-52-0 (Print)

**ISBN:** 978-93-90516-53-7 (e Book)

**National Seminar(s) and Conference(s) :**

1. UGC National Conference on “Women Empowerment and Family Welfare”, M. S. K. B. College, Muzaffarpur, 05-06 October, 2012.
2. 30<sup>th</sup> Annual National Conference of the Mathematical Society, Banaras Hindu University on “Mathematical Analysis and Application”, BHU, Varanasi, 30-31 January, 2015.

3. Seminar on “Food and Safety” RMRIMS, Patna, Bihar, 07<sup>th</sup> April, 2015.
4. UGC Sponsored National Seminar on “Mathematics and its Application in other subjects” at MSKB College, Muzaffarpur, Bihar, 05-06 September, 2015.
5. 7<sup>th</sup> WMVC-2015, National Conference on “Wave Mechanics and Vibrations”, ISM, Dhanbad, 21-23 December, 2015.
6. UGC Sponsored National Seminar on “Frontiers in Modern Physics” at J. D. College, Kolkata, 21-22 November, 2016.
7. 32<sup>nd</sup> Annual National Conference of the Mathematical Society, Banaras Hindu University on “Recent Trends in Mathematical Analysis and its Application”, BHU, Varanasi, 17-18 February, 2017.
8. 2<sup>nd</sup> National Conference on “Emerging Trends in Applied Sciences”, School of Basic Sciences, Galgotias University, U. P., 17-18 August, 2017.
9. 8<sup>th</sup> National Conference on “Wave Mechanics and Vibrations”, NIT, Rourkela, 26-28 November, 2018.
10. XXXIV Annual IAPT Convention 2019 & National seminar on Recent Advances & Innovations in Physics teaching and Research, IIIT Allahabad, 13-15 October 2019.
11. National Conference on “Physics and Chemistry of Advanced Materials” (NCPCAM- 2019), Mahatma Gandhi Central University, Motihari, Bihar, 22-23 November, 2019.

**International Conference(s)/ Seminar(s) :**

1. International Conference on “Mathematics and its Application”, The University of Burdwan, West Bengal, India 15-17 February, 2018.

2. International Conference on “Science and Technology”, 8<sup>th</sup> Bihar Science Conference 2019 organized by Patna University & BBrains Development Society, Patna, Senate Hall, Patna University, Patna, 03-05 December, 2020.
3. International Seminar on “Recent Trends of Research in Applied Sciences” (RTRAS- 2023), B. R. A. Bihar University, Muzaffarpur, 18 December, 2023.

#### **National Webinar(s) and Web-Conference(s) :**

1. National Webinar on “Extensive Acceptance to e-learning, e-Content and ICT Tools in Bihar: A Positive Outcome of Covid-19 Lockdown” PMMMNMTT of MHRD, 16<sup>th</sup> June, 2020.
2. National Webinar on “Psychological Impact of Covid-19 on Human Beings and their Coping Mechanism”, R. C. College, Sakra, Muzaffarpur, Bihar, 16 July, 2020.
3. Virtual National Conference on “New Trends in Applied Mathematics (NCNTAM) 2021”, Department of Mathematics, University Institute of Engineering & Technology (U.I.E.T.), Chhatrapati Shahu Ji Maharaj University, Kanpur, 11-12 October, 2021.

#### **International Webinar(s) and Web-Conference(s):**

1. International Webinar on “Physics and Beyond”, Department of Physics, Bankura University, 06-08 July, 2020.
2. International Web-Conference on “Recent Advances in Nanoscience & Nanotechnology for High-end Applications” (IWCRANHA- 2020), Assam University University, Silchar, 25-26 July, 2020.

3. International Web-Conference on “Recent Advances in Science” (IWCRAS-2020), Don Bosco College, Tura, 30-31 July, 2020.

### **National Workshop(s) online**

1. 7 Days Online National Workshop on “NAAC: Seven Assessment Criteria for Accreditation” Govt. P. G. College, Bilaspur, U. P., 02-08 August, 2020.

### **Other Activities (Academic)**

1. Workshop attended in the year 2008, from 15-04-2008 to 17-04-2008 (oSKkfud rFkk rduhdh 'kCnkoyh vk;ksx] ubZ fnYyh ) under the auspices of Deptt. Of Physics, L.S. College, B.R.A.B.U., Muz.
2. Distinguished Lecture by Prof. Ricardo Decca on “Quantum Science and Technology: From Quantum information to the search for Quantum Gravity”, Department of Physics, School of Basic and Applied Sciences, Adamus University, Kolkata, 22<sup>nd</sup> August 2022.

### **Awards Received:**

1. **“BEST TEACHER AWARD” by “R. C. College, Sakra, Muzaffarpur, Bihar”, 1<sup>st</sup> July 2023.**
2. **“Vivekananda Prize 2025” by “Institute of Researchers”, Wayanad, Kerala (India), 30<sup>th</sup> April 2025.**

Signature