

BIODATA



Dr. Suraj Kumar Shukla

Current Position:

Head of Department & Assistant Professor in Department of Mathematics
Digvijai Nath PG College, Civil Lines, Gorakhpur.

Personal Details:

Name – Dr.Suraj Kumar Shukla

Date of Birth – 12/07/1992

Mobile No. 9519333941

Email Address: surajkumarshukla499@gmail.com .

Contact Address:

Village – Budh Bazar, Post – Jungle Dumari No.1

Police Station – Gulhariya,

District – Gorakhpur

Pin Code: 273306

Objectives:

Intend to build a career in a professional environment with commitment and dedication which will enrich my competence and potential in the field of Mathematics and to contribute professionally in the preparation of social development plans.

Academic Qualifications:

CSIRNET (Mathematics)	2016(Air-45)
GATE (Mathematics)	2016(Air-390)
Ph.D. (Mathematics)	Awarded (15-11-2019)
Pre- Ph.D. (Mathematics) D.D.U.G.University, Gorakhpur	2014
M.Sc. (Mathematics) D.D.U.G.University, Gorakhpur	2013
B.Sc. (PCM Group)	2011
DIPLOMA (Data Base Management System) D.D.U.G.University, Gorakhpur	2009
Intermediate (PCM Group) U.P.Board	2008
High School U.P.Board	2006

Research Area: Finsler Geometry (Differential Geometry)

Research Thesis Topic: “Model of Finsler Spaces and Their Geometry.”

RESEARCH ACTIVITY

A. Published research papers:

1. On Finsler spaces satisfying the Condition $L^{m+1}C = \gamma^m$, Journal of The Tensor Society (JTS) Vol. 10(2016), 41-48.
2. Hypersurfaces of a Projective Kropina Conformal Change, Global Journal of Multidisciplinary Studies Vol.5, 6 May 2016, 81-84.
3. Connections & Main Scalars of Two Dimensional Finsler Spaces with Quintic metric. Journal of computer and Mathematical Sciences, Vol. 9 (6), 588-598 June 2018.
4. Main scalar, Hypersurfaces of a Finsler space with projective generalized β - conformal change. Journal of computer and Mathematical sciences, Vol.10 (3), 593-600 March 2019.
5. Hypersurface of a Special Finsler space. International journal of Mathematics trends and technology (IJMTT), Volume 66 issue-6 June 2020.

B. Communicated Research papers:

1. Nonholonomic Frames for Finsler spaces with special (α, β) -metric. (Journal of National Academy of Mathematics, India).

C. Conferences and Seminars Attended/ Paper presented

1. Presented research paper entitled "Equation of a geodesic with given indicatrix of a quartic metric of dimension two or three" in the National Conference on Differential Geometry and its Applications, organized by Department of Mathematics Allahabad during December 27, 28 2014.
2. Presented research paper entitled "On Finsler satisfying the condition $L^{m+1}\mathcal{C} = \gamma^m$ " in national conference on Differential geometry and its applications, organized by Department of Mathematics and Statistics DDU Gorakhpur University, Gorakhpur during 27-28 January, 2017.
3. Presented research paper entitled "Nonholonomic frames for Finsler spaces with special (α, β) metric" in the National Conference on Recent Advances in Pure and Applied Mathematics, Organized by Department of Applied science, MMTU, Gorakhpur during 12-13 April 2018.
4. Presented research paper "A Special form of Rund's h-curvature tensor using R3 like Finsler space" 21th International Conference of International Academy of Physical Sciences on symbiotic development of Mathematical, Physical, Chemical and Computational Sciences & symposium on Recent advances and future directions on Mathematics in Bio-sciences, organized by Department of

Mathematics, Guru Jambheshwar University of science and technology Hisar Haryana during 28-30 October 2017.

5. Presented research paper entitled “A comparative study of a cubic, quartic and quintic metric of a Finsler space of two dimension” in 22nd International Conference of international academy of physical sciences (CONIAPS XXII) on emerging trends in physical sciences, organized by the faculty of science Dr. Ram Manohar Lohia Avadh university Faizabad-224001,U.P.India, April 13-15,2018.
6. Presented research paper entitled “Two dimensional Finsler spaces whose geodesics constitute family of folium” in national conference on Differential geometry and its applications, organized by Nehru Gram Bharti (Deemed to be University) during 03-05 august 2018.
7. Presented research paper entitled “ Main scalar, Hypersurfaces of a Finsler space with projective generalized β - conformal change” in International conference on Gravitation, Cosmology and Mathematical physics ICGCAMP19 organized by Departments of Mathematics and Physics GLA University Mathura in collaboration with The Tensor Society of India during April 04-07, 2019.
8. Attended National conference on Advances in Mathematical sciences and its applications jointly organized by Indian society of Mathematics and Mathematical sciences (ISMAMS) and Department of Mathematics and Statistics D.D.U.University, Gorakhpur on February 20-21, 2015.
9. Attended National seminar on “Role of CST,UP in promotion of science and technology and facilitation of IPR protection” organized jointly by Faculty of science D.D.U.Gorakhpur University, Gorakhpur & CST,U.P., Lucknow on March 15, 2015.

10. Attended National conference on Recent trends in Mathematical sciences organized by Department of Mathematics and Statistics DDU Gorakhpur University Gorakhpur on 23-24 July, 2016.
11. Attended National conference on “Recent trends in Mathematical sciences” held on April 12-13, 2016 in the Department of Applied science, M.M.M. University of Technology Gorakhpur.
12. Presented the Thesis entitled “Model Of Finsler Spaces And Their Geometry” in International Conference On “Advances in Topology and Differential Geometry” organized by Department of Mathematics And Statistics Deen Dayal Upadhyaya Gorakhpur University ,Gorakhpur during November 9-10,2019.

Work Experience:

- (1) Taught as an Assistant Professor (Guest Faculty) in Madan Mohan Malviya Technical University, Gorakhpur since 22th July, 2017 to 15th May 2018.
- (2) Taught as an Assistant Professor in Sardar Patel institute of science and technology, Gorakhpur since August 2018 to June 2019.
- (3) Currently, working (since 13/08/2019) at the post of Head of Department & Asst. Professor in Department of Mathematics Digvijai Nath PG College, Civil Lines Gorakhpur(UP), INDIA.

Membership:

- (1) Member of National Academy of Mathematics, India.
- (2) Member of ‘The Tensor Society’ of India.

Administrative Experience:

- (1) Worked as Final Exam Supervisor for the International Math Challenge 2020.
- (2) Working as an IQAC member to improve the quality of college.
- (3) Worked as a member of College Website Committee (2020-2022).
- (4) Worked as an Internal body during the College Admission period.
- (5) Worked as an Internal examiner in DDU Gorakhpur University, Gorakhpur.
- (6) Worked as an Examiner in evaluation of B.Sc., B.C.A & M.Sc. exam answer sheet
(Annual/Semester) in Siddhartha University Kapilvastu and in DDUGU Gorakhpur.
- (7) Worked as a member of College E-Content Cell committee (2020-2022).
- (8) Working as a member of College Academic Audit Committee.
- (9) Working as a member of College Advisory Committee.

Book Published:

- (1) 'A Text Book of Advanced Calculus' (Vandana Prakashan)
ISBN: 978-93-86201-15-7.
- (2) 'A Text Book of Abstract Algebra' (Vandana Prakashan)
ISBN: 978-81-925063-5-7.
- (3) 'A Text Book of Algebra' (Vandana Prakashan)
ISBN: 978-93-91245- 03-0.
- (4) 'A Text Book of Geometry' (Vandana Prakashan)
ISBN: 978-93-91245- 03-0.
- (5) 'A Text Book of Integral Calculus' (Vandana Prakashan)
ISBN: 978-81-951497- 6-6.
- (6) A Text Book of Mechanics (Kanha Publication)
- (7) A Text Book of Advanced Algebra (Vandana Prakashan)
ISBN:978-93-91245- 03-0.

(8) 'A Text Book of Advanced Differential Equation'
(Discount Group of Publication)

Workshop/Webinar

(1) Attended International Web-conference on Complex Analysis and Differential geometry Organized by Department of Mathematics, SKBTU in association with IQAC, SKBTU on 29-30 June, 2020.

(2) Actively participated in International Webinar "Survival With Covid -19" Organized by Department of Chemistry, Digvijai Nath College, Gorakhpur (U.P.) India on 23-25 June, 2020.

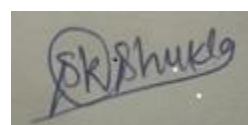
(3) Actively participated in International Webinar "Covid -19: Challenges and Perspectives" Organized by Department of Botany, Digvijai Nath College, Gorakhpur (U.P.) India on 3 June, 2020.

(4) Attended One Week Online Faculty Development Program On Advanced Research Methodology Applicable in New education Policy Jointly Organized by Digvijai Nath College, Gorakhpur (U.P.) India & Science Tech Institute, Lucknow.

Declaration:

I, hereby declare that foregoing information is correct and complete to the best of my knowledge and belief.

Place: Gorakhpur
Date: 03/02/2023



Signature
Dr.Suraj Kumar Shukla