Faculty Profile

Dr. Shiv Kumar Sahoo Assistant Professor (Mathematics) Science Department Disha College, Ramnagar, Kota Raipur, Chhattisgarh India. Address for Correspondence: **Dr. Shiv Kumar Sahoo** Vatshalaya school Raipura Raipur CG Pin-492013 Mo-9302408499 Email:maths10sks@gmail.com	

1.	Name in Full (In Block Letters)	**Dr. SHIV KUMAR SAHOO**				

2.	Date of Birth: **10/07/1981**(dd/mm/year)	Gender: **Male**	Age: **44**	Marital Status: **Married**	Nationality: **Indian**

3. Present Employment with Salary Details

Institute/Organization	Designation	Nature of Work	Pay Band	Grade Pay	Total Salary (Per month) in Rs.
Centre for Basic Science Pt Ravi Shankar University Raipur	Guest faculty (Mathematics)	Teaching			50000/-

4.	Address Present work place	Centre for Basic Science Pt Ravi Shankar University Raipur
	Mobile Number	9302408499
	Email id	maths10sks@gmail.com
5.	Permanent Address	Kutarabod Po.-Odekera Via-Jaijaipur Dist.-Janjgir-Champa Chhattisgharh Pin Code:495690

6. Educational Qualifications

Sl. No.	Degree Obtained	Discipline	Name of the University/Institute	Year of Passing	% of Marks/ CGPA	Class/ Division
(i)	**Ph.D.**	Mathematics	NIT Raipur CG	2016	69.11	First
(ii)	M. Tech/MS/**M.Sc.**	Mathematics	GGU Bilaspur CG	2004	65.00	First
(iii)	BA/**B.Sc.**/B. Tech.	PGM	GGU Bilaspur CG	2002	56.88	Second
(iv)	**XII Class**	Science	MP Board	1999	54.88	Second
(v)	**X Class**	Science	MP Board	1997	65.60	First
(vi)	Other if any **M. Phil.**	Mathematics	GGU Bilaspur CG	2008	72.25	First

7.	Ph.D. Degree Details	
	(i) Ph.D. Thesis Title	Some q-Approximation Process by Positive Linear Operators and their Integral Modifications
	(ii) Research area of Ph.D. Thesis work	Approximation Theory
	(iii) Date of Submission of Ph.D. Thesis	15 July 2016 Defence Viva-voce
	(iv) Date of the Award of Ph.D. Degree	29 July 2016 Provisional Degree
	(v) Name(s) of Supervisor(s) & Address	Dr. R. P. Pathak, Professor, Department of mathematics, NIT Raipur CG Email: r.p.pathak08@gmail.com Mo. 9406122233

8.	M.Tech/MS/M.Sc./ Degree Details **M. Phil.**	
	(i) M.Tech/MS/M.Sc.Dissertation Title	On The Degree of L_1-Approximation by Some Positive Linear Operators
	(ii) Area of M.Tech/MS/M.Sc.Dissertation work	Approximation Theory
	(iii) Name(s) of Supervisor(s) & Address	Prof. S. P. Singh, Department of Pure and Applied Mathematics, GGU Bilaspur CG. Email: drspsingh1@rediffmail.com Mo. 9425535524

9. Teaching Experience Details (Post-Ph.D.)   Post-Ph.D. Teaching Experience (in years):

Institute/Organization	Start Date	End Date	Duration	Designation	Nature of work	Pay Scale in Rs.
NIT Raipur CG	11/07/2016	17/01/2018	3 Semester	Temporary Faculty	Teaching	40000/-
PMEC Berhampur Odisha	18/01/2018	30/09/2021	7 Semester	Assistant Professor (Contract NPIU TEQIP-3)	Teaching	70000/-
PMEC Berhampur Odisha	01/10/2021	20/05/2023	3 Semester	Guest Faculty on contract	Teaching	40000/-
Disha Collage Raipur	03/07/2023	07/09/2024	1 Year	Assistant Professor (Mathematics)	Teaching	35,000/-

10. Teaching Experience Details (Pre-Ph.D.)   Pre-Ph.D. Teaching Experience (in years):

Institute/Organization	Start Date	End Date	Duration	Designation	Nature of work	Pay Scale
NIT Raipur CG	20/07/2011	31/12/2014	7 Semester	Lecturer on contract	Teaching	23500/-
Govt. College Rajim CG	08/10/2010	31/05/2011	1 Session	Assistant Prof. Contract	Teaching	18800/-
Govt. College Sarangarh CG	12/08/2009	30/04/2010	1 Session	Assistant Prof. Contract	Teaching	12800/-
GGU Bilaspur CG	25/07/2008	20/04/2009	2 Semester	Guest Lecturer	Teaching	5000/-
SSJ College Bahmnidih CG	01/07/2005	30/04/2007	2 years	Assistant Prof.	Teaching	3000/-

11.	Total experience Post- Ph. D (in Years) :7.5
12.	Total experience Pre-Ph. D (in Years) :8.5

13. Administrative Experience Details   Administrative Experience (in years):

Institute/Organization	Start Date	End Date	Duration	Designation	Nature of work	Pay Scale
PMEC Berhampur Odisha				Asst. Superintendent Boys Hostel		
PMEC Berhampur Odisha		30/09/2021		TEQIP Co-coordinator		

14.	Courses Taught during last 3 years			
	Course Code	Course Title	Level (UG/PG)	No. of Times
		Mathematics-1,2,3	UG	3
		Numerical Analysis and Bio Statistics	UG	3
		Advance Calculus and Lab(BSc1st year)	UG	1
		Partial Differential Equation	PG	1
		Real Analysis	PG	1

15. Number of Publications:

Nature		Published (SCI)	In-Press (SCI)
(i) Refereed Journals	National (SCI)		
	International (SCI)		
	National (Scopus)	2	
	International (Scopus)	1	
(ii) Conference Proceedings	SCI		
	Scopus	1	
	Web of Sciences		

16. Number of Sponsored/ Industry Projects   Completed: On-going:1

Title of the Project	Sponsored Agency	Year of Completion	PI/ Co-investigator	Total Amount in Lakhs.	Completed/ Ongoing
On-street Parking Data Analysis using Statistical Approach for Detection of Parking Violation	NPIU	-	PI	4.02	Ongoing

17. Membership/Fellowship in Professional Bodies if any

Name of the Professional Body	Membership status (Life/ Annual)
Odisha Mathematical Society	Life

18. Name two referees with complete contact details including address, Tel. Nos., Fax Nos., Email address

(i) A. S. Ranadive, Professor, Department of Mathematics, G G U, Bilaspur (C. G.)
E-mail-ID asranadive04@yahoo.co.in Contact No. :94076-00463

(ii) A. K. Sinha, Associate Professor, Department of Mathematics, NIT, Raipur (C. G.)
E-mail-ID aksinha.maths@nitrr.ac.in Contact No. :09300685809

19. List the best five Research Publications (SCI/Scopus) :

(i) Shiv Kumar Sahoo, Niranjan Panigrahi, Debasis Mohapatra, Asutosh Panda and Arvind Sinha, "Temporal Modeling of On-street Parking Data for Detection of Parking Violation in Smart Cities", Springer AISC Advance in Intelligent System and Computing 1176 pp. 265-272, http://doi.org/10.1007/978-981-15-5788-0_25 (2020-21)

(ii) R.P. Pathak, and Shiv Kumar Sahoo, " Some Applications of new Modified q-intergral type operators" , Inter. J. of Math. and Mathematical Sci., Hindawi Publishing Corporation, vol. 2015

(III) R. P. Pathak and S. K. Sahoo, "Some New Applications of Integrally Modified q-Szasz-Mirakyan Operators", App. Math. Sci.,vol. 9 (2015), no. 144, 7175-7185.

(IV) R. P. Pathak and S. K. Sahoo, "Some New Applications of Modified q-Integral Operators", Int. J. of Math. Anal., vol. 9 (2015), no. 56, 2775-2784.

(V) R. P. Pathak and S. K. Sahoo, "Some Applications of New Modified q-Szasz-Mirakyan Operators", Acta Univ. Palacki. Olomuc., Fac. rer. nat., Mathematica, vol. 54 (2015), no. 2, 71-82.

20 Faculty Development Program

S.n.	Venue	Details
1	IIT Kharagpur	Faculty Induction Workshop organized by Continuing Education Cell & Centre for Educational Technology, IIT Kharagpur from 19 Feb. 23 Feb., 2018
2	IIT Bombay	MHRD-TEQIP III KITE Activity "Selected Twining and Pedagogical Activity- Make in India Curricular, Initiatives Placement Planning, GATE Sensitization, Transition Rate Improvement and Laboratory Visits" Organized by IIT Bombay from 29 March. 02 April., 2019.
3	IIT Bombay	MHRD-TEQIP III KITE Activity "Summer training program on Adavanced Pedagogys: Active learning and Digital Tools" Organized by IIT Bombay from 03 June- 07 June., 2019.
4	IIT Bombay	MHRD-TEQIP III KITE Course on "Entrepreneurship, Innovation and Incubation (EI^2)" Organized by IIT Bombay from 08 July -12 July, 2019.
5	IIT Bombay	MHRD-TEQIP III KITE Course on "Linear Algebra and its Applications to Data Analysis and Control" Organized by IIT Bombay from 18 November- 23 November, 2019.
6	PMEC Berhampur	Faculty Development Program on "Recent Trends & Challenges on Smart Gride Environment" Organized by PMEC Berhampur from 09 December to 14 December 2019.
7		

The list of publications

S.No.	Name of Papers	
1	Shiv Kumar Sahoo, Niranjan Panigrahi, Debasis Mohapatra, Asutosh Panda and Arvind Sinha, "Temporal Modeling of On-street Parking Data for Detection of Parking Violation in Smart Cities", Advance in Intelligent System and Computing 1176 pp. 265-272, http://doi.org/10.1007/978-981-15-5788-0_25 (2020-21)	Springer AISC
2	Shiv Kumar Sahoo and S. P. Singh, "Some approximation results on special class of positive linear operators" Proceedings of The Mathematical Society, Banaras Hindu University, vol. 24, 1-9, (2008).	
3	R. P. Pathak and S. K. Sahoo, "Some Applications of New Modified q-Szasz-Mirakyan Operators", Acta Univ. Palacki. Olomuc., Fac. rer. nat., Mathematica, vol. 54 (2015), no. 2, 71-82.	
4	R.P. Pathak, and Shiv Kumar Sahoo, " Some Applications of new Modified q-intergral type operators" , Inter. J. of Math. and Mathematical Sci., Hindawi Publishing Corporation, vol. 2015	Scopus
5	R. P. Pathak and S. K. Sahoo, "Some New Applications of Integrally Modified q-Szasz-Mirakyan Operators", App. Math. Sci.,vol. 9 (2015), no. 144, 7175-7185.	Scopus
6	R. P. Pathak and S. K. Sahoo, "Some New Applications of Modified q-Integral Operators", Int. J. of Math. Anal., vol. 9 (2015), no. 56, 2775-2784.	Scopus
7	R. P. Pathak and S. K. Sahoo, "Some Applications of New Integral Modified q-Szasz-Mirakyan Operators", Far East J. of Appl. Math., vol. 93, (2015), no. 1, 065-081.	
8	R.P. Pathak, and Shiv Kumar Sahoo, "444 mathematical Models on cities waste Material Management System" vol. 75: 167-171. Singapore, IACSIT Press. (2014).	
9	R.P. Pathak, Shiv Kumar Sahoo, "Some results on Derivatives of Generalized Modified Baskakov Type Operators (B)", Acta Ciencia Indica, vol. 39, no.4, 431-435, (2013).	

10	R.P. Pathak, Shiv Kumar Sahoo, and Ashish Kumar Tiwari, □Some approximation results on modified Szâsz type positive linear operators", Acta Ciencia Indica , Meerut, vol.39, no.4, 397-405, (2013).	
11	R.P. Pathak and Shiv Kumar Sahoo, "Some approximation results on positive linear operators" , CSVTU Research Journal , vol. 5, (2012).	
12	R.P. Pathak, Shiv Kumar Sahoo and Ashish Kumar Tiwari, "Some approximation results on modified Basakakov type special class of positive linear operators" , Research Hunt Journal ,Vol. 7, no. 3, May- June (2012) , 111-119.	
13	R.P. Pathak, Shiv Kumar Sahoo and Ashish Kumar Tiwari, "Some results on Derivatives of Generalized Modified Baskakov Type Operators (A)", IJECCE, Vol. 3, Issue 4, July (2012).	
14	R.P. Pathak and Shiv Kumar Sahoo, "Some results on Derivatives of Generalized Modified Baskakov Type Operators (C)", IJCST, vol. 3, no. 3,July-Sept. (2012).	
15	R.P. Pathak and Shiv Kumar Sahoo, "Some approximation results on modified Basakakov type special class of positive linear operators", IJSER, vol. 3, no. 7, July -2012 , 01-04.	
16	R.P. Pathak and Shiv Kumar Sahoo, "Some approximation results on Basakakov type special class of positive linear operators" , IJSRP , vol. 2, no. 7, July -2012, 01-04.	
17	R.P. Pathak and Shiv Kumar Sahoo, "Some approximation results on Otto Szazs type positive linear operators" , ISOR Journal of Mathematics ,vol. 1, no. 1, May- June -2012 , 50-54.	