Curriculum Vitae

Dr. Surendra Vikram Singh Padiyar
Assistant Professor
Department of Mathematics,
 Sardar Bhagat Singh Government Post Graduate College, RudraPur
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Academic Qualification (Undergraduate Onwards)
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S. No	Degree	Year	Subject	University /Institution	Roll No	Rank or Percentage
1	B. Sc	2011	Mathematics, Chemistry, Physics	Kumaun University Nainital	13120250058	53.25
2	M. Sc	2013	Mathematics	Kumaun University Nainital	1113700012	76.52
3	CSIR NET	June 2014	Mathematics		418269	55
4	CSIR NET	Dec 2014	Mathematics		416689	39
5	CSIR NET	June 2016	Mathematics		416085	22
6	CSIR NET	Dec 2016	Mathematics		415497	18
7	CSIR NET JRF	June 2017	Mathematics		416117	67
8	Ph. D	2022	Mathematics (**Applied Mathematics**)	Kumaun University		

Ph. D thesis title: Multi Echelon Supply Chain Models with Imperfect Production for Deteriorating Items under Imprecise and Inflationary Environment

Work experience:

S. No	Position	Name of the Institute	From	To
1	Assistant Professor	Govt. P. G. College Champawat	01-10-2014	25-03-2015
2	Assistant Professor	Govt. P G. College Karnaprayag	08-08-2016	21-02-2017
3	Assistant Professor	Govt. P. G. College Rudrapur	23-02-2017	30-06-2017
4	Assistant Professor	M. B. P. G. College Haldwani	09-08-2017	06-11-2019
5	Assistant Professor	Govt. P. G. College Joshimath	11-11-2019	16-12-2021
6	Assistant Professor	Govt. College Haldwani City	17-12-2021-	30-06-2023
7	Assistant Professor	Govt. Degree College Rudrapur	06-07-2023	Till date

Honorary, Chief editor, Founding editor, Associate editor, Reviewer

1- Associate editor in Ratio Mathematica (ITALY)
2- Reviewer of ABCD Indexing (2023)
3- Reviewer of American journal of Mathematical and Computer Modelling, from June 30-2023 to June 30, 2026
4- Reviewer of International journal, Journal penceltian chanos
5- Reviewer for 2nd international conference on computational applied sciences and its applications

Publications (List of papers published/ Accepted in journal)

S. N.	Research paper Title	Name of Journal	Year	Vo.	Page No.	ISSN	I.F.
1	Inventory system with price dependent consumption for deteriorating items with shortage under fuzzy environment	Int. J. Sustainable Agricultural Management and Informatics **(ESCI) (SCOPUS)**	2021	7(3)	218-231	2054-5827	0.195
2	Green production inventory model for with remanufacture process and	Bulletin Monumental **(WEB OF SCIENCE)**	2021	22(8)	192-197	0007-473X	3.9

	backordering under the reverse logistics						
3	Imperfect Production Process in an Integrated Inventory System Having Multivariable Demand with Limited Storage Capacity	Design Engineering **(SCOPUS)**	2021	2021 (9)	1505 - 1527	0011- 9342	1.41
4	A Mathematical Imperfect Production Inventory Problem for Perishable Items Considering Two Different Warehouses under Fuzzy Environment	International Journal of Innovative Research in Technology	2021	8(7)	330- 339	2349- 6002	0.76
5	Synthesis, Charecterization and Antifungal Activity of Iron (Iii) Derivatives of N-[O-Hydroxy Substituted (Or H) Benzyl] Glycines	International Journal of Pharmaceutic al Research and Applications	2021	6(6)	939- 948	2249- 7781	6.79
6	Imperfect Production Inventory Model with Selling Price Dependent Demand Rate and Reliability under the Inflationary and Fuzzy Environment	International Journal of Engineering Science and Computing	2021	11 (12)	2910 9- 2911 6	2321 3361	5.61 1
7	Integrated supply chain model for imperfect production and fuzzy parameters with probabilistic demand pattern, and variable production rate under the environment of inflation	Journal of Emerging Technologies and Innovative Research	2021	8 (11)	a630 - a641	2349- 5162	7.95
8	Production Inventory model with limited storage problem for perishable items under learning inspection with fuzzy parameters	Design Engineering **(SCOPUS)**	2021	2021 (9)	1282 1- 1283 9	0011- 9342	1.41
9	Multi echelon fuzzy inventory model for perishable items in a supply chain with imperfect production and exponential demand rate	Int. J. Process Management and Benchmarkin g **(SCOPUS)**	2023	14(1)	23- 51	1741- 816X	
10	Green integrated model for imperfect Production Process under Reliability	*Journal of Mathematical Control*	2022	8(1)	1-13	0979- 0570	

		Science and Applications **(SCOPUS)**					
11	Two-warehouse integrated inventory model under cloudy fuzzy environment	*International Journal of Applied Decision Sciences* **(SCOPUS)**	2023	16(3)	255-299	0304-0941	
12	A Multistage sustainable inventory model with backorder, fuzzy parameters and decision variable for deteriorating items with imperfect production and reliability.	*International Journal of Applied Decision Sciences* **(SCOPUS)**	2023	16(4)	445-473	1755-8085	
13	A study of integrated fuzzy inventory model when deterioration and inflation rate are uncertain	*International Journal of Novel Research and Development*	2022	7(5)	165-182	2456-4184	8.76
14	'Joint replenishmen strategy For deteriorating multi items through multi echelon supply chain model with imperfect production under imprecise and inflationary environment	*RAIRO - Operations Research* **(SCIE) (SCOPUS)**	2022			0399-0559	1.025
15	Three-Echelon Supply Chain Managemen With Deteriorated Products under the Effect of Inflation	MATHEMATICS (MDPI) **SCIE** **SCOPUS Q1**	2023			2227-7390	2.592
16	Modelling And Analysis On Green Inventory Model With Shortage Space For Imperfect Quality Of Deteriorating Items With Trapezoidal Type Demand Mathematical Modelling And Analysis On Green Inventory Model	**NeuroQuantology** **SCOPUS**	2022	20(14)	2468-2478	1303-5150	0.453

	With Shortage Space For Imperfect Quality Of Deteriorating Items With Trapezoidal Type Demand						
17	An integrated inventory model for imperfect production process having preservation facilities under fuzzy and inflationary environment	International journal of Mathematical Modeling and numerical optimisation **SCOPUS**	2022	12 (3)			
18	Multi echelon supply chain inventory model for perishable ítems with fuzzy deterioration rate and imperfect production with two warehouse under inflationary environment	International Journal of Business performance and supply chain modelling	2022			1758-9401	
19	A fuzzy inventory problem base don management for deteriorating item with remanufacture process	Stochastic modelling and Applications	2022	26(3)	447-460		
20	Mathematical Modelling and Analysis on Green integrated model for deteriorating items with system dynamic analysis	Materials Today: Proceedings **SCOPUS**	2023				
21	Review on Green Inventory Model and Reverse Logistic	**SCOPUS** European Chemical Bulletin	2023	12(10)		2063-5346	3.71
22	Two-level trade credit policy approach for a production inventory model under greening degree dependent demand and reliability	**SCOPUS** European Chemical Bulletin	2023				
23	An inventory model for deteriorating items having selling price	**SCOPUS**	2023				

	dependent demand and effect of inflation on time value of money under imperfect production process	European Chemical Bulletin					
24	Analysis of Fuzzy Multi Echelon Inventory Model with Inflation	**SCOPUS** European Chemical Bulletin	2023				
25	A Sustainable Fuzzy Learning Inventory Model with Imperfect Production Process and Energy Flexibility under Quality Improvement Investment	**SCOPUS** European Chemical Bulletin	2023				
26	Review paper on qualitative analysis of phytochemicals of cassia occidentalislinn	**SCOPUS** European Chemical Bulletin	2023	12(10)	4196-4202	2063-5346	3.7
27	'An EPQ model with different demand rate and deteriorating items with two warehouses under shortage, learning and imperfect production	*European journal of industrial Engineering (SCIE) (SCOPUS)*	2023				
28	**Development trust among customer and producer Inventory Model, when demand dependent on selling price with shortage under the environment of uncertainty**	**IJADS (SCOPUS)**	2023				

Communicating (List of papers communicate in journal)

S. No	Research Paper Title	Name of Journal	Year	ISSN	I.F
1	A production inventory model for deteriorating ítems having imperfect production process with inflation under the effect of learning and forgetting	Int. j. of Learing and change	2023		
2	A mathematical inventory model with selling Price dependent demand consumption for deteriorating ítems with shortage under learning and fuzzy environment	Int. j. of service and operations management **SCOPUS**	2023		
3			2022	1751-5262	
4	A Sustainable Inventory Model of Imperfect Products with Price and Carbon Emission Reduction Dependent Demand under Inflationary and Fuzzy Environment	RAIRO *SCIE) (SCOPUS)*	2023		
5	Sustainable supply chain inventory model with volume agility under an imperfect production process	J. for International Business and Entrepreneurship Development (SCOPUS)	2023		
6	Two echelon supply chain inventory model with reverse logistics under carbon tax policy	OPSEARCH	2023		
7	The mathematical model for Plastic recycling plant and analysis of green supply chain model under conditionally permissible delay in payment and reverse logistics	Int. J. of Sustainable Agricultural Management and Informatics **ESCI SCOPUS**	2023		
8	GREEN INTEGRTED PRODUCTION INVENTORY MODEL FOR DECAYING RAW MATERIALS WITH REVERSE LOGISTICS	SCOPUS	2023		
9	Modelling and optimization for a Multistage sustainable inventory	SCOPUS	2023		

	model under the effect of cloudy fuzzy environment for growing items and reliability				
10	An Integrated Inventory Model of Deteriorating Items with Volume Agility and Time Dependent Demand under anImperfect Production Process	Springer edited book on "Advanced Machine Learning and Evolutionary computing for Financial Decision Making	2023		

Details of Seminar/ Conference/ Workshop/ Orientation:

S. No	Title	Dates	Organizing Institute	National/ International/ State Level	Presented/ Participated
1	Protection of R & D Outcome Through Intellectual Property Rights	27 March 2017	Govt. P. G. College Rudrapur	Regional Workshop	Participated
2	Research Methodology Workshop	04-24 Dec. 2017	M. B. P. G. College Haldwani		Participated
3	Emerging Trends in Engineering Management &Science	27-28 April 2019	Graphic Era Hill University Bhimtal	International conference	Presented
4	Vedic Mathematics	17-23 Nov. 2020	Banaras Hindu University	National workshop	Participated
5	Sustainable Development Modeling and Optimization	16-17 Feb. 2021	Operational Research Society of India Meerut Chapter	International conference	Presented
6	Integrity of Mathematics in Advancement of Science Technology and Management	25-26 March 2021	M. B. P. G. College Haldwani	National Conference	Presented
7	Research Methodology and Scientific Components for an Empirical Study in Research	15-21 April 2021	Genesin of Education Impressions Roorkee		

8	Modern Instrumental and Characterization Techniques in Biotechnology & Applied Sciences	3-4 Sep. 2021	Miet Group of Institutions Haldwani	National Conference	Presented
9	Optimization: Fuzzy logic and MATLAB	25-26 march 2022	Department of Mathematics Chaudhary Charan Singh University, Meerut	National Conference	Presented
10	Hand on Training on solving differential equation in engineering sciences	June 21-25, 2022	National Institute of Technology, Uttrakhand	National workshop	Participated
11	National Education Policy-2020 Admission Guidelines in University of Uttrakhand	13 August 2022	Government Degree College Haldwani City	State level workshop	Participated
12	International Workshop on Vadic Mathematics	22-28 August 2022	Department of Mathematics Chaudhary Charan Singh University, Meerut	National workshop	Participated
13	Online workshop on NEP 2020 Implementation	26 Aug – 27 Aug 2022	Aligarh muslim university	National Workshop	Participated
14	Intellectual property right (IPRs)	8 Feb 2023	IPGGPGCC Haldwani	State Level workshop	Participated
15	Girl child education, security and self-reliance	27-28 February 2023	M.B.P.G. College Haldwani	National seminar	Presented
16	New Dimension in Vadic Mathematics	28-29 March	CCS University Meerut		
17	2nd International Conference on Recent Advances in Sustainable Environment	15-16 May	Bundelkhand University, Jhansi	International Conference	Presented
18	Implementation of National Education Policy 2020	2-5 June 2023	Under the joint aegis of Government of Madhya Pradesh, Vikram University, Open	National Conference	Participated

			University and SSUN		
19	Vadic Mathematics	7-07-2023 to 09-07-2023	Bundelkhand University, Jhansi	National workshop	Participated
20	Advances in Biological Research and Environment Sustainability	17-06-2023 to 21-06-2023	Udayana University Indonesia	International Conference	Presented
21	INTERNATIONAL CONFERENCE ON COMPUTATIONAL APPLIED SCIENCES & IT'S APPLICATIONS (ICCASA)	13-14 July 2023	UNIVERSITY OF ENGINEERING AND MANAGEMENT, JAIPUR	International Conference	Presented Paper ID.234
22	INTERNATIONAL CONFERENCE ON COMPUTATIONAL APPLIED SCIENCES & IT'S APPLICATIONS (ICCASA)	13-14 July 2023	UNIVERSITY OF ENGINEERING AND MANAGEMENT, JAIPUR	International Conference	Presented Paper ID.204

FDP Course/ Refresher Course/FIP:

S. No.	Course Topic	Course Type	Mode	Days	Institute
1	Differential Equation	FDP	Online	5	Vellore Institute of Technology
2	Python and Vadic Mathematics	Refresher	Online	14	Ramanujan college
3	Orientation Course	FIP	Online	30	Ramanujan college

CONVENER/ORGANISING SECRETARY/TECHNICAL SUPPORT TEAM in Seminar or Conference or Workshop:

S. No.	Name of Seminar/workshop/conference	Converer/O. Secretry/T. Support Team	Date	Institute
1	National Education Policy-2020 Admission Guidelines in University of Uttrakhand	Organising Secretary	13 August 2022	Government Degree College Haldwani City
2	INTERNATIONAL CONFERENCE ON COMPUTATIONAL APPLIED SCIENCES & IT'S APPLICATIONS (ICCASA)	Organising Secretary	13-14 july	UNIVERSITY OF ENGINEERING AND MANAGEMENT, JAIPUR

Chairperson/Invited speaker/Special Guest/Invited Guest/ Editorial Board Member:

S. No.	Function/Event/Conference/Workshop	Date	Invitation type
1	(Conference), Girl child education, security and self-reliance M.B.P.G. College Haldwani	27-28 February 2023	Invited speaker
2	(Workshop) Implementation of National Education Policy 2020	2-5 June 2023	Invited Guest
3	(NSS) Shri 1008 Baba Hadakhan Government Inter College Kadgharia Nainital	5-01-2023	Invited Speaker
4	2nd International Conference on Recent Advances in Sustainable Environment	15-16 may 2023	Chairperson
5	INTERNATIONAL CONFERENCE ON COMPUTATIONAL APPLIED SCIENCES & IT'S APPLICATIONS (ICCASA)	13-14 July 2023	Chairperson
6	INTERNATIONAL CONFERENCE ON COMPUTATIONAL APPLIED SCIENCES & IT'S APPLICATIONS (ICCASA)	13-14 july 2023	Editorial Board Member

Award

S. No.	Name of Award	Year	National /International
1	Young Scientist Award	2021	National
2	Best Research Scholar Award	2021	National
3	Best Research Award	2022	National
4	International Young Scientist Award	2023	International
5	International Distinguished Young Achiever Award	2023	International
6	Teacher of the year -2023	2023	

Units/ Chapters publication:

S. No	Name of unit	Year
1	Algebra of Matrices	2021
2	Determinant	2021
3	Application of Matrices	2021
4	Eigen value and Eigen vector	2021

Convener/ Coordinator /Member in Committee:

S. No.	Name of Committee	Session	Convener/ Member	Name of Institute
1	Proctorial Board	2021-2022	Member	Govt. College Haldwani City
2	Admission Committee	2021-2022 and 2022-2023	Member	Govt. College Haldwani City
3	IQAC Committee	2021-2022 And 2022-2023	Member	Govt. College Haldwani City
4	Library committee	2021-2022 And 2022-2023	Member	Govt. College Haldwani City
5	Student union committee (The Ancient)	2021-2022	Member	Govt. College Haldwani City
6	Anti -Ragging Committee	2021-2022	**Convener**	Govt. College Haldwani City
7	Website streering committee	2021-2022	Member	Govt. College Haldwani City
8	Cultural program committee	2021-2022 And 2022-2023	Member	Govt. College Haldwani City

9	Flag committee	2021-2022 And 2022-2023	**Convener**	Govt. College Haldwani City
10	Mahavidhyalay lekha-abhilekha committee,	2021-2022 And 2022-2023	Member	Govt. College Haldwani City
11	Mukhyamantri vatsalya yojana committee	2021-2022	Member	Govt. College Haldwani City
12	E- content development committee	2021-2022	Member	Govt. College Haldwani City
13	Information and management committee	2021-2022	Member	Govt. College Haldwani City
14	Purchase committee	2021-2022	Member	Govt. College Haldwani City
15	Student union election committee	2021-2022 And 2022-2023	**Convener**	Govt. College Haldwani City
16	Green campus clean campus committee	2021-2022	Member	Govt. College Haldwani City
17	Information Management Committee	2022-2023	**Convener**	Govt. College Haldwani City
18	New Education Policy (**NEP**)Implementation Committee	2022-2023	**Coordinator**	Govt. College Haldwani City
19	Faculty Coordination Committee	2022-2023	**Convener**	Govt. College Haldwani City
20	Time Table Committee and Academic Almanac Committee	2022-2023	Member	Govt. College Haldwani City
21	Career Counselling and Placement Committee	2022-2023	Member	Govt. College Haldwani City
23	Disaster management committee	2022-2023	Member	Govt. College Haldwani City
24	Recognition /Affiliation Committee	2022-2023	Member	Govt. College Haldwani City
25	KPI Utkarsh Committee	2022-2023	Member	Govt. College Haldwani City
26	local public relations committee	2022-2023	Member	Govt. College Haldwani City
27	Yoga	2021-2022, 2022-2023	**Coordinator**	Govt. College Haldwani City

28	A.C.	2023-2024	**Member**	S.B.S.G.P.College Rudrapur

Short Terms Course:

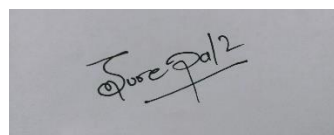| S. No	Name of Course	Name of Institute	Grade and %
1	Academic Writing	Hemvati Nandan Bahuguna Garhwal University	64%
2	Education Leadership	IIT Kharagpur	87%
3	Vedic Maths Mastery	TLC Ramanujan College	A$^+$
4	Implementation of NEP -2020 for University and College Teachers	Indira Gandhi National Open University	92%

Books Publication/Proceedings:

S. No	Name of Books	ISBN
1	Concepts and Problems of Matrices	****
2	Inventory supply chain management with fuzzy concepts	978-93-94007-03-01
3	Vedic Mathematics	****

Area of Specialization:

S. No	Topic
1	Real analysis,
2	Complex analysis
3	Operation Research, Supply chain Management, Inventory management, Green supply chain
4	Number Theory, Vedic Mathematics

Name & Signature

Dr. Surendra Vikram Singh Padiyar