Curriculum Vitae

Dr. Subhash Alha

Assistant Professor

Department of Mathematics
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Contact No.:

• **Highest Education :** Ph.D. (Mathematics)

• **Academic/Research/Industrial Experience**

From Year	To Year	Position Held	Organization
16-02-2015	--	Assistant Professor	Maulana Azad National Urdu University

• **Publications**

Papers In Journals

1 Garg,M.,Chanchlani,L., & Alha, S. (2013).Some inequalities for product of ratio of q-gamma functions.*Journal of Rajasthan Academy of Physical Sciences* 12(1), 0972-6306

2 Garg,M.,Chanchlani,L., & Alha, S. (2013).On generalized q-differential transform.*Aryabhatta Journal of Mathematics & Informatics* 5(2), 0975-7139

3 Garg, M. (2014).A new class of q-Apostol-Bernoulli polynomials of order a.*Revista Tecnocientífica URU* 6(2014), 2343-6360

4 Garg,M.,Manohar,P.,Chanchlani,L., & Alha, S. (2014).On generalized composite fractional derivative.*Walailak Journal of Science and Technology* 11(12), 1686-3933

5 Garg,M., & Chanchlani, L. (2015).q-analogues of saigo fractional integrals and derivatives of generalized basic hypergeometric series.*Palestine Journal of Mathematics* 4(1), 2219-5688

6 Garg,M.,Alha,S., & Chanchlani, L. (2015).On generalized fractional q-derivatives.*Le Matematiche* 70(2), 0373-3505

7 Chanchlani,L.,Alha,S., & Gupta, J. (2019).Generalization of Taylor's formula and differential transform method for composite fractional q-derivative.*Ramanujan Journal* 48(1), 1382-4090

8 Akgül,A.,Alha,S., & Mallah, I. A.(2021).New aspects of Bloch model associated with fractal fractional derivatives.*Nonlinear Engineering-Modeling and Application* 10(1), 2192-8029

9 Mallah,I.,Ahmed,I.,Akgul,A.,Jarad,F., & Alha, S. (2022).On ?-Hilfer generalized proportional fractional operators.*AIMS Mathematics* 7(1), 2473-6988

10 Chanchlani,L.,Alha,S., & Mallah, I. A.(2022).On Katugampola fractional q-integral and q-derivative.*Jnanabha* 52(1), 0304-9892

11 Alha,S.,Mallah,I.A., & Manohar, P. (2022).On reaction-diffusion equation with generalized composite fractional derivative.*European Journal of Mathematics and Statistics* 3(6), 2736-5484

12 Mallah,I.A.,Chanchlani,L., & Alha, S. (2023).q-analogue of Hilfer-Katugampola fractional derivatives and applications.*South East Asian Journal Mathematics and Mathematical Sciences* 19(2), 2582-0850

13 Khalid,M., & Alha, S. (2024).New generalized integral transform on Hilfer–Prabhakar fractional derivatives and its applications.*International Journal of Dynamics and Control* 12(1), 2195-268

Chapter In Book

1 Alha, S. (2021).Calculus. 2021(), 978-93-80322-81-0

2 Alha, S. (2021).Calculus. 2021(), 978-93-80322-81-0

• Projects

S.No	Name	Funding Agency	Grant Approved	Start Date	End Date
Research Project					
1	Minor Research Project	UGC-MANUU	105000	06-12-2016	22-11-2017

• Research Guidance

S.No	Student Name	Reg. Date	Thesis Title	Role	Status
Ph.D.					
1	Ishfaq Ahmad Mallah Roll No: 18PHMM004HY	01-08-2018	A Study of Fractional and q-Fractional Derivatives and their Applications	Supervisor	Awarded On 19-01-2023
2	Ibtisham Mahboob Shaikh Roll No: A191559	01-08-2019	Topological methods of studying the three body problems	Supervisor	Continuing
3	Mohd Khalid Roll No: 20PHMM001HY / A171369	01-12-2020	A Study of Generalized Fractional Derivatives and Integral Transforms with Applications	Supervisor	Continuing

• Teaching Experience

Academic Session	Program Level	Program	Course Name
2014-2015	Master's	M.Sc. (Mathematics)	Partial Differential Equations
2015-2016	Master's	M.Sc. (Mathematics)	Integral Equations
2015-2016	Master's	M.Sc. (Mathematics)	Partial Differential Equations
2015-2016	Master's	M.C.A.	Probability & Statistics
2015-2016	Bachelor's	B.Tech.	Probability & Statistics
2015-2016	Bachelor's	B.Tech.	Engineering Mathematics
2016-2017	Master's	M.Sc. (Mathematics)	Ordinary Differential Equations
2016-2017	Bachelor's	B.Sc.	Calculus - Mathematics I
2016-2017	Bachelor's	B.Sc.	Differential Equations
2016-2017	Master's	M.Sc. (Mathematics)	Calculus of Variations
2017-2018	Bachelor's	B.Sc.	Calculus
2017-2018	Master's	M.Sc. (Mathematics)	Probability and Statistics
2017-2018	Bachelor's	B.Sc.	Differential Equations
2017-2018	Ph.D.	Ph.D. (Mathematics)-Course Work	Essential Mathematics
2017-2018	Master's	M.Sc. (Mathematics)	Ordinary Differential Equations
2017-2018	Master's	M.Sc. (Mathematics)	Complex Analysis
2017-2018	Bachelor's	B.Sc. (Hons.)- Mathematics	Complex Analysis
2018-2019	Bachelor's	B.Sc.	Calculus
2018-2019	Ph.D.	Ph.D.(Mathematics)-Course Work	Essential Mathematics

2018-2019	Ph.D.	Ph.D. (Mathematics)-Course Work	ResearchMethodology
2018-2019	Ph.D.	Ph.D. (mathematics) - Course work	Specialization - Fractional Calculus
2018-2019	Master's	M.Sc. (Mathematics)	Complex Analysis
2018-2019	Master's	M.Sc. (Mathematics)	Numerical Analysis
2019-2020	Master's	M.Sc.	Complex Analysis
2019-2020	Master's	M.Sc.	Calculus of Variations
2019-2020	Bachelor's	B.Sc.	Linear Programming
2020-2021	Bachelor's	B.Sc.	Calculus
2020-2021	Master's	M.Sc.	Partial Differential Equations
2020-2021	Ph.D.	Ph.D. (mathematics) - Course Work	Specialization - Applied Mathematics
2020-2021	Master's	M.Sc.	Calculus of Variations and Integral Equations
2020-2021	Master's	M.Sc.	Complex Analysis
2021-2022	Bachelor's	B.Sc.	Calculus
2021-2022	Master's	M.Sc.	Partial Differential Equations
2021-2022	Bachelor's	B.Sc.	Logic and Sets
2021-2022	Bachelor's	B.Sc.	Linear Programming
2022-2023	Bachelor's	B.Sc.	Calculus
2022-2023	Bachelor's	B.Sc.	Logic and Sets
2022-2023	Master's	M.Sc. (Mathematics)	Partial Differential Equations
2022-2023	Bachelor's	B.Sc.	Linear Programming
2022-2023	Master's	M.Sc. (Mathematics)	Calculus of Variations and Integral Equations
2022-2023	Master's	M.Sc. (Mathematics)	Complex Analysis
2023-2024	Bachelor's	B.Sc.	Calculus
2023-2024	Bachelor's	B.Sc.	Analytical Geometry
2023-2024	Bachelor's	B.Sc.	Logic and Sets
2023-2024	Master's	M.sc. (Mathematics)	Complex Analysis
2023-2024	Master's	M.Sc. (Mathematics)	Calculus of Variations and Integral Equations
2023-2024	Bachelor's	B.Sc.	Linear Programming Lab
2023-2024	Master's	M.Sc. (Mathematics)	Calculus of Variations
2023-2024	Master's	M.Sc. (Mathematics)	Complex Analysis
2023-2024	Bachelor's	B.Sc.	Linear Programming Lab

• **Membership of Professional Bodies**

Professional Body	Membership Type	Fee/Paid	From Date	To Date
Rajasthan Ganita Parishad (RGP)	Professional Bodies Membership	Paid	01-01-2012	09-03-2024
Society for Special Functions and their Applications (SSFA)	Professional Bodies Membership	Paid	01-01-2012	09-03-2024
Indian Science Congress Association (ISCA)	Professional Bodies Membership	Paid	01-08-2016	09-03-2024
Indian Mathematical Society (IMS)	Professional Bodies Membership	Paid	01-09-2020	09-03-2024
Vijñana Parishad of India	Professional Bodies Membership	Paid	01-11-2023	09-03-2024

- **Participation in Academic Events**

Event Type	Event Level	Title	Held At	Organised By	Duration	Role
Conference	National Level	National Conference on Recent Trends in Mathematics and Silver Jubilee Function of Rajasthan Ganita Parishad	Bharatpur (Rajasthan)	Department of Mathematics, M. S. J. Govt. College	From 27-05-2012 To 27-05-2012	Paper Presenter
Conference	National Level	2nd National Conference on Computational and Mathematical Sciences COMPUTATIA-II	Jaipur	Vivekananda Institute of Technology, Jaipur	From 30-11-2012 To 01-12-2012	Paper Presenter
Conference	National Level	24th National Conference of Rajasthan Ganita Parishad on Modern aspects & challenges in Mathematics	Deeg (Bharatpur) - Rajasthan	Department of Mathematics, M.A.J. Govt. College, Deeg (Bharatpur)	From 18-05-2013 To 19-05-2013	Paper Presenter
Conference	International (Within Country)	International Conference on Special Functions and their Application ICSFA 2013 (12th Annual Conference of SSFA) and symposium on Applications in Diverse Fields of Engineering and Technology	MNIT, Jaipur, Rajasthan	Department of Mathematics and Mechanical Engineering, Malviya National Institute of Technology, Jaipur	From 13-12-2013 To 15-12-2013	Paper Presenter
Conference	International (Within Country)	International Conference on Mathematical Sciences 2014	Madurai	School of Mathematics, Madurai Kamraj University, Madurai	From 21-08-2014 To 23-08-2014	Paper Presenter
Workshop	National Level	One-week Short Term Training Programme on Mathematical Modeling, Optimization, Fractional Calculus and their Computations in Engineering and Sciences	SVNIT, Surat, Gujarat	Department of Applied Mathematics & Humanities, Sardar Vallabhbhai National Institute of Technology, Surat	From 21-06-2016 To 25-06-2016	Paper Presenter
Orientation Program	National Level	31st Orientation Programme	HRDC - MANUU, Hyderabad	HRDC - MANUU	From 01-02-2017 To 28-02-2017	Participant
Any Other	National Level	Short Term Course for Training Programme on Academic Leadership	HRDC, MANUU	HRDC, MANUU	From 01-05-2017 To 06-05-2017	Participant
Conference	International (Within Country)	20th International Conference of International Academy of Physical Sciences on Recent Advances in Physical Sciences and Future Challenges	Osmania University, Hyderabad	Faculty of Science, Osmania University, Hyderabad	From 14-07-2017 To 16-07-2017	Paper Presenter

Workshop	National Level	Three days Workshop on Online Teaching, Learning and Assessment with Open Educational Resources, Educational Technology Tools & MOOC Platform Programme Production	MANUU	IMC, MANUU	From 27-11-2017 To 29-11-2017	Participant
Refresher Course	National Level	Refresher Course on Mathematics	HRDC, University of Hyderabad, Hyderabad	HRDC, University of Hyderabad, Hyderabad	From 04-07-2018 To 24-07-2018	Participant
Conference	National Level	National Urdu Science Congress 2019	MANUU, Hyderabad.	MANUU, Hyderabad	From 28-02-2019 To 01-03-2019	Participant
Conference	International (Within Country)	International Conference on Special Functions & Applications (ICSFA - 2019) & Symposium on Application of Mathematical Sciences in Engineering Problems	Bikaner	Department of Mathematics, University College of Engineering and Technology (A Constituent College of Bikaner Technical University), Bikaner, Rajasthan.	From 21-10-2019 To 23-10-2019	Participant
Conference	National Level	National Urdu Science Congress 2020	MANUU, Hyderabad	MANUU, Hyderabad	From 25-02-2020 To 26-02-2020	Participant
Faculty Development Program	National Level	FDP on Research Methodology Tools and Techniques	IILM College of Engineering and Technology	IILM College of Engineering and Technology	From 18-05-2020 To 22-05-2020	Participant
Faculty Development Program	National Level	One week FDP through online mode	Department of Mathematics, University of Rajasthan, Jaipur	University of Rajasthan, Jaipur	From 09-06-2020 To 15-06-2020	Participant
Faculty Development Program	National Level	Five days FDP on Data Analytic Techniques for Research & Innovation & their Advancements	Online - Vivakananda Institute of Technology, Jaipur	Rajasthan Technical University, Kota	From 29-08-2020 To 02-09-2020	Participant
Conference	International (Within Country)	86th Annual Conference of Indian Mathematical Society (IMS 2020)	Online	Department of Mathematics, School of Advanced Sciences, Vellore Institute of Technology, Vellore	From 17-12-2020 To 20-12-2020	Participant
Conference	International (Within Country)	International Conference on Special Functions and Applications (ICSFA 2020)	Online	Department of Mathematics & Computer Science, Babu Banarasi Das University, Lucknow	From 22-12-2020 To 23-12-2020	Participant

Faculty Development Program	National Level	Three Days Online Faculty Development Program on "Recent Developments in Mathematics and Their Applications"	Jaipur Engineering College, Jaipur	Jaipur Engineering College, Jaipur	From 12-08-2021 To 14-08-2021	Resource Person
Conference	International (Within Country)	Conference on Fractional Calculus: Analysis & Applications	Online-Department of Mathematics, Savitribai Phule Pune University, Pune	Department of Mathematics, Savitribai Phule Pune University, Pune	From 20-08-2021 To 21-08-2021	Participant
Workshop	National Level	Three Days National Workshop on "Introduction and Applications of Geogebra and R"	Jaipur Engineering College, Jaipur	Jaipur Engineering College, Jaipur	From 28-09-2021 To 30-09-2021	Resource Person
Refresher Course	National Level	Refresher Course in Mathematics/ Operations Research/ Statistics and Computer Science (IMD)	University of Delhi, Delhi	CPDHE(UGC-HRDC), University of Delhi, Delhi	From 04-10-2021 To 18-10-2021	Participant
Conference	International (Within Country)	International Conference on Special Functions & Applications (ICSFA - 2022)	Department of Studies in Mathematics, University of Mysore, Mysuru	Department of Studies in Mathematics, University of Mysore, Mysuru	From 26-11-2022 To 28-11-2022	Participant
Conference	International (Within Country)	International Conference on Real World Domains and Interfaces in Mathematics: Challenges Tools & Strategies (ICRWDIM - 2022)	University of Rajasthan, Jaipur	Department of Mathematics, University of Rajasthan, Jaipur	From 17-12-2022 To 18-12-2022	Paper Presenter
Refresher Course	National Level	Refresher Course in Mathematical Science (Mathematics, Statistics)	University of Calicut, Calicut	UGC-HRDC, University of Calicut, Calicut	From 07-03-2023 To 20-03-2023	Participant
Orientation Program	National Level	NEP Orientation and Sensitizitation Programme	UGC - MMTTC, MANUU	UGC - MMTTP, MANUU	From 01-02-2024 To 12-02-2024	Participant

• Administrative Responsibilities				
From Date	**To Date**	**Responsibility Description**	**Scope of Resp.**	**Organization**
01-07-2017	01-07-2019	Placement coordinator for physical science students	School Level	School of Sciences, MANUU
01-07-2021	01-07-2022	Assistant Nodal Officer for B.Voc. Programme	University Level	MANUU
06-03-2023	13-10-2023	Boys Hostel Warden (Mess) - Boys Hostel IV	University Level	MANUU
13-10-2023	--	Boys Hostel Warden (Senior Warden) - Boys Hostel IV	University Level	MANUU

I hereby declare that the above mentioned information is true to the best of my knowledge and belief.

Date   :_____
Place :_____

Subhash Alha