



# Dr. Sawan Kr. Rawat

Assistant Professor  
(Mathematics)

## CONTACT



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<https://www.webofscience.com/wos/author/record/AAZ-4676-2021?state=%7B%7D>

## PERSONAL INFORMATION

Father's Name: Mr. Balwant Singh  
Mother's Name: Mrs. Kamala Rawat  
Date of Birth: 15-Mar-1993  
Gender: Male  
Category: General  
Nationality: Indian

## RESEARCH INTERESTS

- Computational Fluid Dynamics
- Boundary Layer Flow
- Heat and Mass Transfer of Nanofluid Flows
- Numerical Methods
- Modeling of Nanofluid Flows

## PROFILE

Dr. Sawan Kumar Rawat serves as an Assistant Professor of Mathematics at the College of Technology, Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut, Uttar Pradesh, India. He has successfully qualified for the Joint CSIR-UGC NET JRF Exam and the GATE Exam three times each, as well as the Uttarakhand State Eligibility Test (USET). During his Ph.D., he was awarded both the Junior and Senior Research Fellowships (JRF & SRF) by the University Grants Commission (UGC), Government of India. Dr. Rawat's research focuses on Computational Fluid Dynamics, Boundary Layer Theory, Advanced Mathematical Modeling of Nanofluid Flows, and Nanofluid Heat Transfer. He has published over 46 research papers in reputable SCI, ESCI, Scopus, and UGC-indexed journals. With teaching experience of 4 years, Dr. Rawat has instructed B.Tech, B.Sc., and M.Sc. students in various mathematical disciplines.

## ACADEMIC QUALIFICATION

<b>2017 – 2021</b>	<b>Doctor of Philosophy in Mathematics (Ph.D)</b>
<b>Institution</b>	Department of Mathematics, Statistics and Computer Science, G. B. Pant University of Agriculture and Technology, Pantnagar (U. S. Nagar) Uttarakhand, India.
<b>2014 – 2016</b>	<b>Masters of Science: Mathematics (M.Sc.)</b>
<b>Institution</b>	CGPA: 8.106 (out of 10) Department of Mathematics, Statistics and Computer Science, G. B. Pant University of Agriculture and Technology, Pantnagar (U. S. Nagar) Uttarakhand, India.
<b>2011 – 2014</b>	<b>Bachelor of Science (B.Sc.)</b>
<b>Institution</b>	Percentage: 85.10% Shyam Lal College, University of Delhi, India.
<b>2010</b>	<b>Senior Secondary School Examination (Class XII)</b>
<b>Institution</b>	Sainik School Ghorakhal, Nainital, Uttarakhand, India (CBSE)
<b>2008</b>	<b>Secondary School Examination (Class X)</b>
<b>Institution</b>	Sainik School Ghorakhal, Nainital, Uttarakhand, India (CBSE)

## SKILLS

### TECHNICAL

MATLAB software

Microsoft Teams

Microsoft Office

Mathematica

Maple Software

- Dealing with Partial and Ordinary Differential Equations
- Numerical solution of Differential Equations
- Working with MATLAB software
- Numerical Simulation
- Developing Mathematical Models of fluid flow problems

## LANGUAGES

- English
- Hindi
- Kumauni

## RESEARCH PUBLICATIONS SUMMARY

Total Publications	46
Q1	8
Q2	8
Q3	7
Q4	3

(The data provided above reflects the latest available information as of October 2024).

## AWARDS & FELLOWSHIPS

- 2013 & 2014** Certificate of merit for excellence in academics during B.Sc. (Position I & II)
- 2017 (June and December) & 2018 (June)** Qualified Joint **CSIR-UGC NET and JRF Exam** (Mathematical Science)
- 2017, 2018 & 2019** Qualified **GATE exam** (Mathematics)
- 2018** Qualified **Uttarakhand State Eligibility Test (U-SET)** (Mathematics)
- 2018-2021** **Junior & Senior Research Fellowship (JRF & SRF)** during Ph.D. by University Grants Commission (UGC), Govt. of India

## Extra-Curricular

- 2003 – 2010** **Active cadet in the NATIONAL CADET CORPS** (REG. NO. UAJD/2004/3017, UASD/2008/3017) and received certificate "A and B" for the same.
- Institution** Sainik School Ghorakhal, Nainital, Uttarakhand, India

## INVITED TALKS/LECTURES

- 2021 (March)** **Delivered lectures** in ICAR NET, ARS, JRF, SRF GMAT, UPSC, PSC, CAT, GMAT and Remedial Tutorial Coaching classes on the topic "COMPLEX ANALYSIS".
- Institution** College of Basic Sciences and Humanities, G. B. Pant University of Agriculture and Technology, Pantnagar, Uttarakhand.

## PEER REVIEW JOURNALS REVIEWER

1. A Journal of Physical Sciences: Zeitschrift für Naturforschung A (De Gruyter)
2. Applied Mathematics-A Journal of Chinese Universities (Springer)
3. Applied Nanoscience (Springer)
4. Bio Nanoscience (Springer Nature)
5. Cogent Engineering (Taylor and Francis Online)
6. Computers and Mathematics with Applications (Elsevier)
7. International journal of energy research (Wiley)
8. International journal of mathematical, engineering and management sciences (Ram Arti Publishers)
9. Journal of Central South University (Springer)
10. Special Topics & Reviews in Porous Media (Begell House)
11. Modern Physics Letters B (World Scientific)
12. Numerical Heat Transfer, Part A: Applications (Taylor and Francis Online)
13. Numerical Heat Transfer, Part B: Fundamentals (Taylor and Francis Online)

# Dr. Sawan Kr. Rawat

## RESEARCH PUBLICATIONS

- [1] **Rawat, Sawan Kumar**, Moh Yaseen, Manish Pant, Chandan Singh Ujarari, Dheeraj Kumar Joshi, Shshank Chaube, Anup Singh Negi, and Manoj Kumar. "Designing soft computing algorithms to study heat transfer simulation of ternary hybrid nanofluid flow between parallel plates in a parabolic trough solar collector: case of artificial neural network and particle swarm optimization." *International Communications in Heat and Mass Transfer* 148 (2023): 107011. (**SCI, Impact Factor: 6.4**)
- [2] **Rawat, Sawan Kumar**, and Manoj Kumar. "Cattaneo–Christov heat flux model in flow of copper water nanofluid through a stretching/shrinking sheet on stagnation point in presence of heat generation/absorption and activation energy." *International Journal of Applied and Computational Mathematics* 6 (2020): 1-26. (**SCOPUS**)
- [3] **Rawat, Sawan Kumar**, Himanshu Upreti, and Manoj Kumar. "Thermally stratified nanofluid flow over porous surface cone with Cattaneo–Christov heat flux approach and heat generation (or) absorption." *SN Applied Sciences* 2 (2020): 1-18. (**SCOPUS, ESCI, Impact Factor: 2.8**)
- [4] **Rawat, Sawan Kumar**, Himanshu Upreti, and Manoj Kumar. "Comparative study of mixed convective MHD Cu-water nanofluid flow over a cone and wedge using modified Buongiorno’s model in presence of thermal radiation and chemical reaction via Cattaneo-Christov double diffusion model." *Journal of Applied and Computational Mechanics* (2020). (**SCOPUS, ESCI, Impact Factor: 2.8**)
- [5] **Rawat, Sawan Kumar**, Ashish Mishra, and Manoj Kumar. "Numerical study of thermal radiation and suction effects on copper and silver water nanofluids past a vertical Riga plate." *Multidiscipline modeling in materials and structures* 15, no. 4 (2019): 714-736. (**SCI, Impact Factor: 1.7**)
- [6] **Rawat, Sawan Kumar**, Himanshu Upreti, and Manoj Kumar. "Numerical study of activation energy and thermal radiation effects on Oldroyd-B nanofluid flow using the Cattaneo–Christov double diffusion model over a convectively heated stretching sheet." *Heat Transfer* 50, no. 6 (2021): 5304-5331. (**SCOPUS, ESCI, Impact Factor: 2.8**)
- [7] **Rawat, Sawan Kumar**, Shubham Negi, Himanshu Upreti, and Manoj Kumar. "A non-Fourier’s and non-Fick’s approach to study MHD mixed convective copper water nanofluid flow over flat plate subjected to convective heating and zero wall mass flux condition." *International Journal of Applied and Computational Mathematics* 7 (2021): 1-27. (**SCOPUS**)
- [8] **Rawat, Sawan Kumar**, Alok Kumar Pandey, and Manoj Kumar. "Effects of chemical reaction and slip in the boundary layer of MHD nanofluid flow through a semi-infinite stretching sheet with thermophoresis and Brownian motion: the lie group analysis." *Nanoscience and Technology: An International Journal* 9, no. 1 (2018). (**SCI, Impact Factor: 1.7**)
- [9] **Rawat, Sawan Kumar**, Moh Yaseen, Anum Shafiq, Manoj Kumar, and Qasem M. Al-Mdallal. "Nanoparticle aggregation effect on nonlinear convective nanofluid flow over a stretched surface with linear and exponential heat source/sink." *International Journal of Thermofluids* 19 (2023): 100355. (**SCOPUS**)

- [10] **Rawat, Sawan Kumar**, Moh Yaseen, Umair Khan, Manoj Kumar, Amal Abdulrahman, Sayed M. Eldin, Samia Elattar, Ahmed M. Abed, and Ahmed M. Galal. "Insight into the significance of nanoparticle aggregation and non-uniform heat source/sink on titania–ethylene glycol nanofluid flow over a wedge." *Arabian Journal of Chemistry* 16, no. 7 (2023): 104809. (**SCI, Impact Factor: 5.3**)
- [11] **Rawat, Sawan Kumar**, Moh Yaseen, Umair Khan, Manoj Kumar, Sayed M. Eldin, Abeer M. Alotaibi, and Ahmed M. Galal. "Significance of non-uniform heat source/sink and Cattaneo-Christov model on hybrid nanofluid flow in a Darcy-Forchheimer porous medium between two parallel rotating disks." *Frontiers in Materials* 9 (2023): 1097057. (**SCI, Impact Factor: 2.6**)
- [12] Garia, Rashmi, **Sawan Kumar Rawat**, Manoj Kumar, and Moh Yaseen. "Hybrid nanofluid flow over two different geometries with Cattaneo–Christov heat flux model and heat generation: A model with correlation coefficient and probable error." *Chinese Journal of Physics* 74 (2021): 421-439. (**SCI, Impact Factor: 4.6**)
- [13] Yaseen, Moh, **Sawan Kumar Rawat**, and Manoj Kumar. "Cattaneo–Christov heat flux model in Darcy–Forchheimer radiative flow of MoS<sub>2</sub>–SiO<sub>2</sub>/kerosene oil between two parallel rotating disks." *Journal of Thermal Analysis and Calorimetry* 147, no. 19 (2022): 10865-10887. (**SCI, Impact Factor: 3.0**)
- [14] Yaseen, Moh, **Sawan Kumar Rawat**, and Manoj Kumar. "Falkner–Skan problem for a stretching or shrinking wedge with nanoparticle aggregation." *Journal of Heat Transfer* 144, no. 10 (2022): 102501. (**SCI, Impact Factor: 2.8**)
- [15] Mishra, Ashish, **Sawan Kumar Rawat**, Moh Yaseen, and Manish Pant. "Development of machine learning algorithm for assessment of heat transfer of ternary hybrid nanofluid flow towards three different geometries: case of artificial neural network." *Heliyon* 9, no. 11 (2023). (**SCI, Impact Factor: 3.4**)
- [16] Yaseen, Moh, **Sawan Kumar Rawat** et al., "Artificial Neural Network with Levenberg-Marquardt Training Algorithm for Heat Transfer Analysis of Ag-TiO<sub>2</sub>/water Hybrid Nanofluid Flow Between Two Parallel Rotating Disks". *International Journal of Mathematical, Engineering and Management Sciences* Vol. 9, No. 4, 714-736 (2024). (**SCOPUS**)
- [17] Upreti, Himanshu, **Sawan Kumar Rawat**, and Manoj Kumar. "Radiation and non-uniform heat sink/source effects on 2D MHD flow of CNTs-H<sub>2</sub>O nanofluid over a flat porous plate." *Multidiscipline Modeling in Materials and Structures* 16, no. 4 (2020): 791-809. (**SCI, Impact Factor: 1.7**)
- [18] Negi, Shubham, **Sawan Kumar Rawat**, and Manoj Kumar. "Cattaneo–Christov double-diffusion model with Stefan blowing effect on copper–water nanofluid flow over a stretching surface." *Heat Transfer* 50, no. 6 (2021): 5485-5515. (**SCOPUS, ESCI, Impact Factor: 2.8**)
- [19] Yaseen, Moh, **Sawan K. Rawat**, and Manoj Kumar. "Hybrid nanofluid (MoS<sub>2</sub>–SiO<sub>2</sub>/water) flow with viscous dissipation and Ohmic heating on an irregular variably thick convex/concave-shaped sheet in a porous medium." *Heat Transfer* 51, no. 1 (2022): 789-817. (**SCOPUS, ESCI, Impact Factor: 2.8**)

- [20] Yaseen, Moh, **Sawan Kumar Rawat**, Anum Shafiq, Manoj Kumar, and Kamsing Nonlaopon. "Analysis of heat transfer of mono and hybrid nanofluid flow between two parallel plates in a Darcy porous medium with thermal radiation and heat generation/absorption." *Symmetry* 14, no. 9 (2022): 1943. (*SCI, Impact Factor: 2.2*)
- [21] Yaseen, Moh, **Sawan Kumar Rawat**, and Manoj Kumar. "Analysis of MoS<sub>2</sub>-SiO<sub>2</sub>/water hybrid nanofluid flow with linear and quadratic thermal radiation induced by a stretching/shrinking surface in a Darcy-Forchheimer porous medium." *Special Topics & Reviews in Porous Media: An International Journal* 13, no. 5 (2022). (*SCI, Impact Factor: 1.4*)
- [22] Yaseen, Moh, **Sawan Kumar Rawat**, and Manoj Kumar. "Linear and quadratic thermal radiation influence on Marangoni convective flow of hybrid nanofluid over a flat surface in a Darcy-Forchheimer porous medium." *Journal of Porous Media* 26, no. 5 (2023). (*SCI, Impact Factor: 2.5*)
- [23] Yaseen, Moh, **Sawan Kumar Rawat**, Nehad Ali Shah, Manoj Kumar, and Sayed M. Eldin. "Ternary hybrid nanofluid flow containing gyrotactic microorganisms over three different geometries with Cattaneo–Christov model." *Mathematics* 11, no. 5 (2023): 1237. (*SCI, Impact Factor: 2.3*)
- [24] Yaseen, Moh, **Sawan Kumar Rawat**, Umair Khan, Anup Singh Negi, Manoj Kumar, El-Sayed M. Sherif, Ahmed M. Hassan, and Ioan Pop. "Inspection of unsteady buoyancy and stagnation point flow incorporated by Ag-TiO<sub>2</sub> hybrid nanoparticles towards a spinning disk with Hall effects." *Case Studies in Thermal Engineering* 44 (2023): 102889. (*SCI, Impact Factor: 6.4*)
- [25] Yaseen, Moh, **Sawan Kumar Rawat**, Umair Khan, Ioannis E. Sarris, Humera Khan, Anup Singh Negi, Arshad Khan, El-Sayed M. Sherif, Ahmed M. Hassan, and Aurang Zaib. "Numerical analysis of magnetohydrodynamics in an Eyring–Powell hybrid nanofluid flow on wall jet heat and mass transfer." *Nanotechnology* 34, no. 48 (2023): 485405. (*SCI, Impact Factor: 2.9*)
- [26] Yaseen, Moh, **Sawan Kumar Rawat**, Umair Khan, Ioannis E. Sarris, Humera Khan, Anup Singh Negi, Arshad Khan, El-Sayed M. Sherif, and Aurang Zaib. "Computational analysis of heat and mass transfer flow of wall jet hybrid nanofluid with irregular heat source/sink effects and waste discharge concentration." *Journal of Magnetism and Magnetic Materials* 588 (2023): 171434. (*SCI, Impact Factor: 2.5*)
- [27] Singh, Khilap, **Sawan K. Rawat**, and Manoj Kumar. "Heat and mass transfer on squeezing unsteady MHD nanofluid flow between parallel plates with slip velocity effect." *Journal of Nanoscience* 2016, no. 1 (2016): 9708562.
- [28] Bhadauria, B. S., Moh Yaseen, **Sawan Kumar Rawat**, and Manish Pant. "Designing machine learning based intelligent network for assessment of heat transfer performance of ternary hybrid nanofluid flow between a cone and a disk: Case of MLP feed forward neural network." *Computers & Mathematics with Applications* 169 (2024): 17-38. (*SCI, Impact Factor: 2.9*)
- [29] Bhadauria, B. S., Anish Kumar, **Sawan Kumar Rawat**, and Moh Yaseen. "Thermal instability of Tri-hybrid Casson nanofluid with thermal radiation saturated porous medium in different enclosures." *Chinese Journal of Physics* 87 (2024): 710-727. (*SCI, Impact Factor: 4.6*)

- [30] Mohamad, Nurhana, Anuar Ishak, Umair Khan, **Sawan Kumar Rawat**, and Md Irfanul Haque Siddiqui. "Aspects of Dual Simulation for Modified Thermal Flux Advances in Non-Newtonian Reiner–Philippoff Fluid Flow past a Shrinking Plate Embedded in a Porous Medium." *Journal of Mathematics* 2024, no. 1 (2024): 4020390. (*SCI, Impact Factor: 1.3*)
- [31] Khan, Humera, Moh Yaseen, **Sawan Kumar Rawat**, and Arshad Khan. "Insights into the Significance of Ternary Hybrid Nanofluid Flow Between Two Rotating Disks in the Presence of Gyrotactic Microorganisms." *Nano* (2024): 2450110. (*SCI, Impact Factor: 1.1*)
- [32] Negi, Anup Singh, Akshay Saini, Ashok Kumar, **Sawan Kumar Rawat**, and Moh Yaseen. "A numerical analysis of fluid flow and heat transfer between two rotating disks with induced porous medium." *Numerical Heat Transfer, Part B: Fundamentals* (2023): 1-16. (*SCI, Impact Factor: 1.7*)
- [33] Gupta, Tanya, Manoj Kumar, Moh Yaseen, and **Sawan Kumar Rawat**. "Heat transfer of MHD flow of hybrid nanofluid (SWCNT-MWCNT/C<sub>3</sub>H<sub>8</sub>O<sub>2</sub>) over a permeable surface with Cattaneo–Christov model." *Numerical Heat Transfer, Part B: Fundamentals* (2023): 1-16. (*SCI, Impact Factor: 1.7*)
- [34] Singh, Shiv Pratap, Manoj Kumar, Moh Yaseen, and **Sawan Kumar Rawat**. "Insight into influence of thermal radiation and Cattaneo–Christov model on ternary hybrid nanofluid (TiO<sub>2</sub>–Al<sub>2</sub>O<sub>3</sub>–MoS<sub>2</sub>/kerosene oil) and hybrid nanofluid (TiO<sub>2</sub>–Al<sub>2</sub>O<sub>3</sub>/kerosene oil) flow and heat transfer over a stretching sheet." *Numerical Heat Transfer, Part A: Applications* (2023): 1-21. (*SCI, Impact Factor: 2.8*)
- [35] Singh, Shiv Pratap, Manoj Kumar, Moh Yaseen, and **Sawan Kumar Rawat**. "Ternary hybrid nanofluid (TiO<sub>2</sub>– SiO<sub>2</sub>– MoS<sub>2</sub>/kerosene oil) flow over a rotating disk with quadratic thermal radiation and Cattaneo-Christov model." *Journal of Central South University* 30, no. 4 (2023): 1262-1278. (*SCI, Impact Factor: 3.7*)
- [36] Negi, Anup Singh, Ashok Kumar, Moh Yaseen, **Sawan Kumar Rawat**, and Akshay Saini. "Effects of heat source on the stagnation point flow of a nanofluid over a stretchable sheet with magnetic field and zero mass flux at the surface." *Forces in Mechanics* 11 (2023): 100190. (*SCOPUS, ESCI, Impact Factor: 3.2*)
- [37] Yaseen, Moh, Manoj Kumar, and **Sawan Kumar Rawat**. "Numerical study of unsteady magnetohydrodynamics flow and heat transfer of hybrid nanofluid induced by a slendering surface with suction and injection effects." *Journal of Nanofluids* 12, no. 2 (2023): 557-570. (*SCOPUS, ESCI, Impact Factor: 2.7*)
- [38] Yaseen, Moh, Rashmi Garia, **Sawan Kumar Rawat**, and Manoj Kumar. "Hybrid nanofluid flow over a vertical flat plate with Marangoni convection in the presence of quadratic thermal radiation and exponential heat source." *International Journal of Ambient Energy* 44, no. 1 (2023): 527-541. (*SCOPUS*)
- [39] Upreti, Himanshu, Navneet Joshi, Alok Kumar Pandey, and **Sawan Kumar Rawat**. "Homogeneous–heterogeneous reactions within magnetic Sisko nanofluid flow through stretching sheet due to convective conditions using Buongiorno’s model." *Journal of Nanofluids* 11, no. 5 (2022): 646-656. (*SCOPUS, ESCI, Impact Factor: 2.7*)
- [40] Gumber, Priya, Moh Yaseen, **Sawan Kumar Rawat**, and Manoj Kumar. "Heat transfer in micropolar hybrid nanofluid flow past a vertical plate in the presence of thermal radiation and

suction/injection effects." *Partial Differential Equations in Applied Mathematics* 5 (2022): 100240. (SCOPUS)

- [41] Upreti, Himanshu, Navneet Joshi, Alok Kumar Pandey, and **Sawan Kumar Rawat**. "Assessment of convective heat transfer in Sisko fluid flow via stretching surface due to viscous dissipation and suction." *Nanoscience and Technology: An International Journal* 13, no. 2 (2022). (SCI, Impact Factor: 1.7)
- [42] Upreti, Himanshu, Alok Kumar Pandey, **Sawan Kumar Rawat**, and Manoj Kumar. "Modified Arrhenius and thermal radiation effects on three-dimensional magnetohydrodynamic flow of carbon nanotubes nanofluids over bi-directional stretchable surface." *Journal of Nanofluids* 10, no. 4 (2021): 538-551. (SCOPUS, ESCI, Impact Factor: 2.7)
- [43] Yaseen, Moh, Manoj Kumar, and **Sawan Kumar Rawat**. "Assisting and opposing flow of a MHD hybrid nanofluid flow past a permeable moving surface with heat source/sink and thermal radiation." *Partial Differential Equations in Applied Mathematics* 4 (2021): 100168. (SCOPUS)
- [44] Upreti, Himanshu, Navneet Joshi, Alok K. Pandey, and **Sawan K. Rawat**. "Numerical solution for Sisko nanofluid flow through stretching surface in a Darcy–Forchheimer porous medium with thermal radiation." *Heat Transfer* 50, no. 7 (2021): 6572-6588. (SCOPUS, ESCI, Impact Factor: 2.8)
- [45] Dasila, Hemant, Divya Joshi, Shulbhi Verma, Damini Maithani, **Sawan Kumar Rawat**, Amit Kumar, Neha Suyal, Narendra Kumar, and Deep Chandra Suyal. "Hazardous waste: impact and disposal strategies." In *Advanced Microbial Techniques in Agriculture, Environment, and Health Management*, pp. 153-166. Academic Press, 2023.
- [46] Yaseen, Moh, Manoj Kumar, and **Sawan Kumar Rawat**. "Numerical study of unsteady flow of hybrid nanofluid induced by a slendering surface with suction and injection effects." In *Application of Soft Computing Techniques in Mechanical Engineering*, pp. 243-256. CRC Press, 2022.

# Dr. Sawan Kr. Rawat

## LIST OF CONFERENCE / WORKSHOP / FDP

S.No.	Paper Presentation / Participation	Conference / Workshop / FDP	Name of Conference / Workshop / FDP
1	Paper Presentation (Oral)	Conference	International Conference on Applied Mathematics and Computational Sciences (ICAMCS2019). DIT University, Dehradun (2019)
2	Paper Presentation (Oral)	Conference	14th Uttarakhand State Science and Technology Congress. State Council for Science and Technology (UCOST), Dehradun Uttarakhand (2020)
3	Paper Presentation (Oral)	Conference	International Conference on Recent Advances in Science. Invertis University, Bareilly (Uttar Pradesh) (2023)
4	Paper Presentation (Oral)	Conference	Global Initiatives in Agricultural and Applied Sciences for Eco Friendly Environment (GAAFES-2019). Kumaun University, Nainital (2019)
5	Participation	Conference	Interdisciplinary Approach of Science in Advancement of Technology: Art of Human Welfare (IASAT-'15) Department of Applied Sciences and Humanities, Galgotias College of Engineering and Technology, Greater Noida (2015)
6	Participation	Workshop	Computational Fluid Dynamics - Theory and Practice". College of Technology Organizing Institute G. B. Pant University of Agriculture and Technology, Pantnagar (U. S. Nagar), Uttarakhand (2018)
7	Participation	Conference	Advances of Mathematics and its Applications (NCAMA 2018) M. B. Govt. P. G. College Haldwani, Uttarakhand (2018)
8	Participation	FDP	Computational Mathematics and Recent Advances in Management Principles. Department of Mathematics and Department of Management Studies, Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur (2021)
9	Participation	Workshop	Analysis of Data using SPSS and its Applications in Research Methodology. Department of Mathematics, Graphic Era Deemed to be University, Dehradun. (2023)
10	Participation	Conference	International Conference on Mathematical Techniques in Engineering Applications (ICMTEA 2023). Department of Mathematics, Graphic Era Deemed to be University, Dehradun. (2023)



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## **Declaration**

*I hereby solemnly declare that all the statements made above are true and correct to the best of my knowledge and belief.*

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## **Last Updated**

**October 2024**