Dr. Shweta Bohra

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Permanent Address:

w-37/554 Bhadada Mohalla, Bhilwara ,Rajasthan

Personal Profile:

Date of Birth : 26 july 1984 Gender :female Nationality : Indian Marital Status : married

Languages Known:

• English, Hindi

Fields of interest:

- Teaching & Research
- Administration Job
- Creative Job

curriculum vitae

Objective

Aiming to work for a dynamic organization that extends opportunities for extensive learning and skills enhancement for all its students by fostering a professional environment. I see myself contributing to explore my maximum potential as a selfmotivated, energetic professional and utilize my adroitness in the advancement of organization.

Qualification

- Ph.D in Mathematics from Manipal University Jaipur.(2017) Title: On Fluid Flow Configurations Involving Porous Medium With or Without Entropy Generation
- M.Sc in Maths from M.D.S. University in the year 2006 with **70%** aggregate.
- B.Sc in Maths from M.D.S. University in the year 2004 with **72%** aggregate.
- Senior Secondary from C.B.S.E. Board in the year 2001(PCM)
- Secondary from C.B.S.E. Board in the year 1999

Domain Experience

- Total experience: 16 Yrs.
- Experienced of Teaching in Eng. College, Sec School.
- Have Knowledge of computer.
- Experience of working with P&G (FMCG Company).
- Good communication skills.

Experience Details

Teaching Experience:-

1. Sangam University, Bhilwara

- Duration : From July 2018 to till date
- Designation : Associate Prof. in Maths Department

2. Mahapragya College, Asind, Bhilwara

- Duration : From July 2015 to March 2016
- Designation : Asst. Prof. in Maths Department

3. Rajasthan College of Engg. for Women, Jaipur

- Duration : From March 2012 to March 2015
- Designation : Asst. Prof. in Maths Department

4. Maharishi Arvind Institute of Engineering College, Jaipur

- Duration : From August 2010 to Feb 2012
- Designation : Senior Lecturer in Maths Department

- 5. National Institute Of Fashion designing:Duration : From August 2005 to May 2006.
 Designation: Faculty & office Assistant

Industrial Experience-

Company: PROCTER & GAMBLE (FMCG Company)

- Duration : From June 2006 to may 2009.
- Designation : Campaign Manager
- Project : DIRECT MARKETING

Job Responsibilities

- Managed & Taken Workshops/School Program about M.D.H & H in schools for teen-age girls with their mothers.
- Managed & Taken Workshop about Personality Development for 11 & 12 class boys.
- Managed the whole team of Rajasthan school program Executives.
- Maintained datasheets, balance sheets & Stock material.
- Supervision of each & every dates.

Conferences/ Presentation & Workshop-

Seminar-

• **Taken Seminar on Topic-**Second law of thermodynamics and entropy in Manipal University, Jaipur on Jan 2014.

Workshops-

- Participated in Two Days National Symposium on Intellectual Property Rights (IPR) Patents and Design Filing, jointly organized by: Research & Development Cell and School of Basic and Applied Sciences, Sangam University during 28th-29th March, 25.
- Completed one week Faculty Development Program on Integrating Indian Knowledge Systems in Modern Education, organized by AIU-SU-AADC during 16th – 20th December, 24
- Completed one week short term training program (STTP) on Academic Writing and Research Management - A Complete Course, jointly organized by: Department of Civil Engineering, Radha Krishna Institute of Technology, Odisha & RSP Science Hub, Coimbatore, Tamilnadu during 12th 18th, 24.
- Completed in the One week workshop on 'Skill-Up'Excelling as a Research Supervisor conducted by Research and development Cell, Sangam University from 06-10 May, 2024.
- Participated in the AICTE Recognized Faculty Development Programme on Vedic vs Classical Mathematics: Applications for Real world problems conducted by Applied Science Department, NITTTR, Chandigarh from 19-23 Feb, 2024.

- Attended National Seminar on Common Sense & Its application jointly organized by Department of Public Administration, Mohan Lal Sukhadia University and IQAC & Research Cell, Sangam University from 5th – 6th January, 24.
- Attended One day workshop on Research Ethics, Tools & Altmetrics, organized by IQAC & Research and development Cell, Sangam University on 27 July, 23.
- Participated One Day National Seminar on Recent Advances in Geography and Sustainable Development on 25 Feb, 2023, Shri Ratanlal Kanwarlal Patni Girls College, Kishangarh.
- Participated in Two days National workshop on Outcome Challenges before HEIs in remote areas for achieving quality improvement through assessment & accreditation process by IQAC, Sangam University, Bhilwara from 24-25 November, 2022.
- Completed Two days Faculty Development workshop on How to develop project proposal by IQAC and Research & Development Cell, Sangam University, Bhilwara from 20-21 October, 2022.
- Completed Two Days Faculty Development Program on Benchmarking Quality Enhancement Initiatives through Innovative Practices organized by IQAC, Sangam University, Bhilwara from 12-13 July, 2022.
- Participated in Two days Faculty Development Programme on Outcome Based Education & Its Implementation by IQAC, Sangam University, Bhilwara from 12-13 April, 2022.
- Participated in One Week Faculty Development Programme by IQAC, Sangam University, Bhilwara from 20 – 24 December, 2021.
- Participated in Faculty Development Programme on ICT Tools for Effective Teaching Learning conducted by IQAC, Sangam University, Bhilwara from 26 july -2 August, 2021.
- Participated in Intellectual Property Right (IPR) seminar conducted by Mrs. Susmita Samanta, registreted Patent Consultant at Sangam University, Bhilwara on 18 January 2020.
- Attended NPTEL Awareness Workshop held by Indian Institute of Technology Kanpur at Sangam University on 17 October, 2019.
- Attended 3rd National Workshop on Scientific Computational Techniques (SCT-2016) held by Manipal University, Jaipur from 10-12 March, 2016.
- Attended 2nd National workshop on Scientific Computational Techniques (SCT), 2014 in Manipal University, Jaipur on 18-19 December, 2014.
- Completed Short term course on "Instructional Planning & Delivery Program through ICT conducted by NITTTR, Chandigarh from 13-17 October, 2014 at RCEW, Jaipur.
- Attended National workshop on Scientific Computational Techniques (SCT), 2014 in Manipal University, Jaipur on 8-9 November, 2013.
- Completed Short term course on Induction Training Program through ICT conducted by NITTTR, Chandigarh from 4-8 March, 2013 at RCEW, Jaipur.

 Participated in National Workshop on "Application of Mathematics in field of Engineering", NWAMFE-2012 at RCEW jaipur on 3 November 2012.

Conferences/ Presentation-

- Paper presented in 3rd International Conference on Analytical & Interdisciplnary Research (ICAIR-25) at Sangam University Campus, Bhilwara, Rajasthan (INDIA) during 10th–11th March 2025.
- Contributed as Joint Secretary in the three days International conference on Recent Trends and Innovations in Applied Sciences for Sustainable Development of Envrionment at Sangam University Campus, Bhilwara, Rajasthan during 22nd–25th January 2024.
- Paper presented in International Conference on Analytical & Interdisciplnary Research (ICAIR-22) at Sangam University Campus, Bhilwara, Rajasthan (INDIA) during 6th– 8th October 2022.
- Contributed as orginising member(Anchoring) in the two days International conference on Analytical and Interdiciplinary Research (ICAIR-21) at Sangam University Campus, Bhilwara, Rajasthan during 5th – 6th February 2021.
- Paper presented in International Conference on Environmtal & Climate Consequenes: Challenges & Mitigation Strategies (ICECC) at Sangam University Campus, Bhilwara, Rajasthan (INDIA) during 21st – 22nd December 2019.
- Paper presented in National Conference on Research and Innovative Trends in Applied Sciences [NCRIAS-18] at Sangam University Campus, Bhilwara, Rajasthan (INDIA) during 22nd – 23rd December 2018
- 7. Paper presented in the 3rd International Conference on Applications of Fluid Dynamics, organized by the Indian Institute of Technology (ISM), Dhanbad (ICAFD 2016) from 19-21 December, 2016.
- Paper presented for best paper award and won third prize in the 25th International Conference of FIM (Forum for Interdisciplinary Mathematics) on Interdisciplinary Mathematics, Statistics and Computational Techniques, organized by the Manipal University Jaipur (IMSCT 2016-FIM XXV) from 22-24 December, 2016.
- Paper presented in the International Conference of ICRAMTA (International Conference on Recent Advances in Mathematics and Their Applications) organized by the Rajasthan University, Jaipur. (ICRAMTA 2016) from 10-12 July, 2016.
- Paper presented in the International Conference of ICEMS (International Conference on Recent Trends in Engineering and Material Sciences) organized by the Jaipur National University, Jaipur. (ICEMS 2016) from 17-19 March, 2016.
- Paper presented in the 60th International Conference of Indian Society of Theoretical and Applied Mechanics, organized by the Malaviya National Institute of Technology, Jaipur (ISTAM 2015) from 16-19 December, 2015.

- Paper presented in National Conference on AMS-AET-2015 (Advances in Mathematical sciences and Applications in Engineering & Technology) held at Poornima University, Jaipur during 25-26 July, 2015 Manipal University Jaipur.
- Poster Presentation in the 3rd Rajasthan Science Congress held at Manipal university, Jaipur from 28 Feb 2 March, 2015
- Attended the National Conference on "Computational Mathematics in Engineering and 26th Annual Conference of Rajasthan Ganita Parishad (NCCME-RGP-2015)" held at University College of Engineering, RTU, Kota on 23-24 Feb, 2015.
- 15. Attended DST sponsored National Conference on "Environmental Protections-Challenges, Response and Mitigation Techniques" held at RCEW, Jaipur. on 20-21 Feb, 2015.
- Paper presented in the "International Conference of IAPS (International Academy of Physical Sciences)" organized by the University of Rajasthan, Jaipur. (CONIAPS XVII) on 16-18 January, 2015.
- 17. International Conference attended in 9th Indo Japan Bilateral conference (BICON), 2014 organized by Biyani Girls College, Jaipur on 12-17 October, 2014.

Book Editor:

RTIAS

ICAIR Sovnier

Book Chapter:

Sangamutkrash

Research Experience:-

• Research Fellow (Institute Scholar) under the guidance of Dr. Shalini Jain in Maths Department, Manipal University, Jaipur from July, 2013-till date

> Senior Research Fellow – Research towards Ph.D Thesis

July 2014-2017

> Junior Research Fellow – Research towards Ph.D Thesis

July 2013-2014

- **Research Field:** Fluid Dynamic
- **Research Topic:** On fluid flow configurations involving porous medium with or without entropy generation
- Technical Experiences during research:
 - Software used for research -MATLAB
 - Methods used for solution-Analytical method, Numerical methods such as Runge-Kutta fourth order with shooting technique, Runge-Kutta Fehlberg fourth-fifth

order with shooting technique, bvp4c in MATLAB and Crank Nicolson finite difference method.

International Publication:-

Book Published:

-Recent Trends and Innovations in Applied Sciences: ISBN 978-81-970242-3-8.

-Souvenir, 3rd International Conference on Analytical & Interdisciplnary Research (ICAIR-25)

- **Patent granted**: Comprehensive Mathematics Teaching Kit for Students Education: 6338602 on 22 Jan, 24.
- Entropy generation in generalized Couette flow through porous medium with different thermal boundary conditions, International Journal of Energy & Technology, 7, 40-48, 2015.
- Radiation effects in flow through porous medium over a rotating disk with variable fluid properties, Advances in Mathematical Physics, 2016, 1-12, 2016, Hindawi.
- Entropy generation for MHD radiative compressible fluid flow in a channel partially filled with porous medium, Global and Stochastic Analysis, 13-31, Special Issue: 25th International Conference of Forum for Interdisciplinary Mathematics, 2017.
- Hall current and radiation effects on unsteady MHD squeezing nanofluid flow in a rotating channel with lower stretching permeable wall, Lecture Notes in Mechanical Engineering, 127-141, 2017, Springer.
- Heat and mass transfer over a three-dimensional inclined non-linear stretching sheet with convective boundary conditions, Indian Journal of Pure and Applied Physics, 55, 847-856, 2017, Springer.
- Entropy generation on MHD slip flow over a stretching cylinder with heat generation/absorption, International Journal of Applied Mechanics and Engineering, 23(2), 413-428, 2018.
- Soret/Dufour effects on radiative free convection flow and mass transfer over a sphere with velocity slip and thermal jump, Walailak Journal of Science & Technology, 16(9): 701-721, 2019.
- Second law analysis of MHD flow and heat transfer due to exponentially shrinking sheet with radiation, ANVESAK, ISSN: 0378-4568, 52(8-I), 94-110, 2022.

 In presence of porous medium investigation of boundary conditions on coupled heat and mass transfer over an isothermal sphere, SANGAM International Journal of Multidisciplinary Research, E-ISSN: 2584-086X, 2(2), 54-66, 2025.

Achievements:-

- 1) First prize in Debate Competition in college and school.
- 2) Winning Gold Coin in leadership award at P&G.
- 3) Scoring 72% in Mathematics Olympiad in the year 1999.
- 4) Secure Third Position in "Best Paper Award" in 25th International Conference of FIM organized by the Manipal University Jaipur.

Professional & Software Courses:

Efficient utilization and knowledge of Microsoft Excel, Word & PowerPoint tools, Internet, Social media.

Declaration:

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

Place Bhilwara

Dr. Shweta Bohra