



Tusar Parida, M.Sc., Ph.D.

Name : Dr. Tusar Parida

Designation : Associate Professor

Department : Department of Basic Science and Humanities
(JOINED THE INSTITUTE IN JANUARY 2018)

Contact : +919437080198 (M)

Email : tusar.parida@silicon.ac.in

RESEARCH INTERESTS: Fluid Dynamics

Academic Qualifications:

Ph. D. (Mathematics): Utkal University, Odisha

M. Sc. (Mathematics): Utkal University

Teaching Experience/Research Experience

Teaching: 23 years

Research: 10 years

PUBLICATIONS

Journal & Conferences

- [1]. P.K.Rath, **T.Parida**, G.C.Dash, Three-dimensional free convective flow through porous medium in a vertical Channel with heat source and chemical reaction", Proceedings of National academy of sciences, 82(3), 225 - 232, 2012.
- [2]. **T.Parida**, P.K Rath, N.Mahapatra, Effect of Hall current and chemical reaction on MHD flow along a porous flat plate with internal heat absorption/generation, Ultra scientist of physical science, 24(2) B, 225-238, 2012.

- [3]. **T.Parida**, P.K Rath, Unsteady two-Dimensional MHD Flow of a Visco-Elastic Fluid along Vertical Porous Surface with Heat Source and Chemical, IOSR Journal of engineering ,2(9), 7-17,2012.
- [4]. **T.Parida**, P.K Rath, MHD flow with heat and mass Transfer on a porous stretching Wall embedded in porous medium with chemical reaction, AMSE Modelling, measurement and_control, B, 81,2, 19-39,2012.
- [5]. **T.Parida**, P.K Rath, Free Convective MHD flow of Dusty Visco-elastic fluid past a vertical porous plate in the présence of heat source and chemical reaction, Journal of Engineering Thermo Physics, 25(2), 288-298. [DOI-10.1134/S1810232816020132], 2016.
- [6]. **T.Parida**, P.K Rath, Effects of Hall current and chemical réaction on MHD flow along a fluctuating porous flat plate with internal heat absorption/ generation, Journal of Engineering Thermo Physics, 25(3), 424-442. [DOI-10.1134/S1810232816030115], 2016.
- [7]. P.K Rath, **T.Parida**, H.P.Sahoo, Thermal radiation effect on unsteady two dimensional MHD flow of a viscoelastic fluid along vertical porous surface with heat source and chemical reaction, Journal of Engineering Thermo Physics (in **Press**), 2019.

Conferences (Paper Presentation)

- [1] **T.Parida**, P.K.Rath, Two dimensional unsteady flow of an electrically conducting visco-elastic fluid along vertical porous surface with heat source and chemical reaction, National Conference on Recent trend in Mathematical Analysis and application, 22nd-23rd Dec 2010, Berhampur University, Odisha.
- [2] **T.Parida**, P.K.Rath, Two dimensional unsteady MHD flow of a visco-elastic fluid along vertical porous surface with fluctuating temperature and concentration, National seminar on Data science with 46th annual conference of Odisha Mathematical Society, 19th - 20th January 2019, Silicon Institute of Technology, BBSR.

**CONFERENCE /
SEMINAR / FDP /
WORKSHOP
ATTENDED**

- [1]. National Workshop on operations Research, 29th Feb -2ndMarch.2008, DRIEMS, Cuttack.
- [2]. National Conference on Computational Learning Theory, 27th-28th Sept. 2008, CEB, Bhubaneswar.
- [3]. National Conference on Secured Adhoc Network,10th -11th Oct. 2009, CEB, Bhubaneswar.

- [4]. National seminar on Role of Mathematics in Engg. and Technology, 8th- 9th Jan 2011, ITER Bhubaneswar.
- [5]. National seminar on Optimization techniques and its application, 16th-17th Dec 2011, Trident Academy of Technology Bhubaneswar.
- [6]. National Conference on Advances in Mathematical analysis and its applications held on 19th -20th Dec. 2014 in NIST, Berhampur.
- [7]. National Workshop on Fluid Mechanics, 20th -30th May 2014, IIT, Kharagpur.
- [8]. National Workshop on Introduction to Design of Algorithms (attended), 27th April - 30th May 2015, IIT, KHARAGPUR.
- [9]. National seminar on Role of Technology in socio-Economic Development of the nation, 26th -27th Dec. 2015, CEB Bhubaneswar.
- [10]. Faculty development programme on Design of Micro Optical components using advance software tool, 27th Nov. —9th Dec 2017, GITA Bhubaneswar.
- [11]. UGC sponsored Refresher course on Basic Science, 22nd February-14th March 2017, Utkal University, Vanivihar, Bhubaneswar.
- [12]. Seminar on Current Environmental Issues and Challenges-2018, 24th March 2018, Silicon Institute of Technology, Bhubaneswar.
- [13]. FDP for student induction, 04 - 06 August 2018, SOA University, Bhubaneswar organised by AICTE.
- [14]. National seminar on Future India: Science and Technology, 1st – 2nd February 2019, KIIT (ISCA), Bhubaneswar.
- [15]. National seminar on Science and Technology : Rural Development , 13th – 14th December 2019 KIIT (ISCA), Bhubaneswar.
- [16]. FDP on Multidisciplinary approach to Mathematics as Engineering Applications- 2019 (attended) , 23rd – 28th December 2019, C.V.Raman Collège of Engineering, Bhubaneswar.
- [17]. Workshop on Functional Materials for Emerging Technology (FMET-2020), 13th – 15th February 2020 , Silicon Institute of Technology, Bhubaneswar.
- [18]. International webinar on Block chain Technology, Application and use cases, 17th July 2020, Hindustan Institute of Technology, TN.
- [19]. International webinar on FDP on Applications of Mathematics in Engineering, 20th – 25th July 2020, KPR Institute of Engineering and Technology, Tamilnadu.
- [20]. International webinar on FDP on Applications of Mathematics in Engineering, 27th – 31st July 2020 ,KPR Institute of Engineering and Technology, Tamilnadu.
- [21]. International webinar on Recent Trends in Mathematical Sciences, 6th – 7th August 2020, Govt. Arts and Science P.G. Collège, M.P.
- [22]. Webinar on Spectral Ranking, 18th August 2020 , KPR Institute of Engineering and Technology, Tamilnadu.
- [23]. National webinar on MATLAB Tools and Applicationn, 7th, 8th and 10th August 2020, Babu Banarasi Das Northern India Institute of Technology, Lucknow.

**PUBLICATION OF
BOOKS**

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- [1]. **T.Parida**, G.C.Dash, Optimization in Engineering, Alok Publication, Bhubaneswar, 2007.
 - [2]. **T.Parida**, G.C.Dash, Discrete Mathematical structure, U.G. Publication, Bhubaneswar, 2013.
 - [3]. L.K.Bhopa, P.K.Rath and **T.Parida**, The Monograph of Laboratory Activities in Mathematics for Class IX, Pathasala Publication, Bhubaneswar, 2019.
 - [4]. L.K.Bhopa, P.K.Rath, **T.Parida**, The Monograph of Laboratory Activities in Mathematics for Class X, Pathasala Publication, BBSR, 2019.

**MEMBERS OF
PROFESSIONAL
BODIES**

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- [1]. Life member of Indian Society for Technical Education.
 - [2]. Life member of Odisha Mathematical society.
 - [3]. Life member of The Indian science congress Association.

Ph.D Guidance: Two scholars Mr. Haraprasad Sahoo and Mr. Madan Mohan Muduly are registed under my guidance in BPUT odisha.
