Name of the Faculty	Dr. B V Swarnalathamma		
Designation	Associate Professor & HOD		
Date of Joining	16-07-2007		
E - Mail	swarna.maths@jbiet.edu.in		
Educational Qualifications	**Name of the Degree**	**Institute**	**Class**
Ph. D	Doctor of Philosophy	Sri Padmavathi Mahila Viswa Vidhyalayam, Tirupati	Awarded
PG	M.Sc	SKU, Ananthapur	First with Distinction
UG	B.Sc (MPCs)	SKU, Ananthapur	First
Work Experience			
Teaching	17 Years		
Research	15 Years		
Industry	-		
Responsibilities held at the central level in college	• Dean I.B.Tech • Member, Academic Council		
Responsibilities held at the departmental level in college	• Head of the Department		
Courses Handled at UG Level	• All Mathematics Subjects in UG Level.		
Courses Handled at PG Level	• NA		
Area of Research	• Algebra and Mathematical Modelling		
Research Projects and Other Grants	Minor Research Project entitled " Peristaltic Pumping of Non-Newtonian Fluids in a Curved Channel / Tube with Complaint Walls" from granted by UGC dated March2014 -2016**.**		
Patents	• Technique for Approximating Solutions to Non linear Differential Equations with Boundary layer Phenomena, 202341077355 A, Published on 22-12-2023, INDIA.		

	Author(s)	Title	Name of Journal	Volume	Page	Year
Prominent Research Publications in Conferences	M. Veera Krishna, B. V. Swarnalathamma, and J. Prakash	Radiation Absorption on MHDConvective Flow of Nanofluidsover a Moving Vertical Porous Plate	© Springer Nature SingaporePte Ltd. 2021B. Rushi Kumar et al. (eds.),Advances in Fluid Dynamics, Lecture Notesin Mechanical Engineering	https://doi.org/10.1007/978-981-15-4308-1_78	1013-1025	2020
	B. V. Swarnalathamma, M. Veera Krishna, and J. Prakash	Hall Effects on MHD Free ConvectiveFlow Through Porous Mediumin Vertical Channel	Springer Nature Singapore Pte Ltd. 2021B. Rushi Kumar etal. (eds.),Advancesin Fluid Dynamics, Lecture Notesin Mechanical Engineering	https://doi.org/10.1007/978-981-15-4308-1_79	1027-1040	2020
	M.Veera Krishnaand B.V.Swarnalathamma	Heat and mass transfer on Unsteady MHD oscillatory flow of Blood through porous arteriole	Applications of Fluid Dynamics, Lecture Notes in Mechanical Engineering (Springer)	XXII	207-224	2018
	B.V.Swarnalathamma and M.Veera Krishna	Hall effects on MHD flow of heat generating/absorbing fluid through porous medium in a Rotating parallel plate channel	AIP Conference Proceedings	1859(1)	020091	2017
	M.Veera Krishnaand B.V.Swarnalathamma	Hall effects on unsteady MHD Reactive flow of Second grade fluid through porous medium in a rotating parallel plate channel	AIP Conference Proceedings	1859(1)	020097	2017
	M.Veera Krishnaand B.V.Swarnalathamma	Peristaltic MHD Convective flow of Walter's-B Fluid through a Biddable walled channel with Slip Effect	IOP Conference Series: Material Science and Engineering, IOP Publishing	225(1)	012063	2017
	M.Veera Krishnaand B.V.Swarnalathamma	Convective Heat and Mass transferon MHD Williamson fluid with effect of Inclined Magnetic field.	AIP Conference Proceedings	1728(1)	020461	2016
	B.V.Swarnalathamma and M.Veera Krishna	Peristaltic hemodynamic flow of couple stress fluid through a porous medium under the influence of Magnetic field with slip effect.	AIP Conference Proceedings	1728(1)	020603	2016

	B.V.Swarnalathamma & T.Vasanthi	On the Additive and MultiplicativeStructure of ordered Semirings	Proceedings of the 5th Asian Mathematical Convention (AMC 2009) International Seminar on Recent Trends in Algebra and its and Related Topics", Department of Mathematics, Bursar University Sains Malaysia, MALAYSIA		262-265	2009

	Author(s)	**Title**	**Name of Journal**	**Volume**	**Page**	**Year**
Prominent Research Publications in Journals	M. Veera Krishna, B.V. Swarnalathamma & D.M.Praveen Babu	Chemical reaction on MHD Convective flow of second -grade fluid through a vertical porous channel with non- uniform wall temperature	Modern Physics Letters B, DOI:10-1142/S0217084923500914	2350091	1-28	2023
	B.V. Swarnalathamma, et, al.,	Combined impacts of Radiation absorption and Chemically reacting on MHD Free Convective Casson Fluid flow past an infinite vertical inclined porous plate	Journal of Computational Mathematics and Data Science	5	1-16	2022
	B.V. Swarnalathamma et, al.,	Hall current effects on MHD flow of chemically reacting fluid through a porous medium with heat sourse	Wiley Periodicals LLC(Heat Transform)		1-20	2022
	D.M. Praveen Babu & B.V. Swarnalathamma	Finite element analysis for Hall effects on MHD flow of water based nanofluid past an infinite vertical porous surface	NOVYI MIR Research Journal	6(6)	13-28	2021
	B.V. Swarnalathamma et, al.,	Heat and Mass transfer on Oscaillatory MHD flow of Second grade fluid through Porous media	Journal of Shanghai JiaotongUniversity	7(5)	41-60	2021
	B.V.Swarnalathamma	Heat Transfer on MHD ConvectiveFlow Through Porous Medium Between Two Concentric Cylinders	Journal of Shanghai Jiaotong University	16(9)	386-409	2020
	B.V. Swarnalathamma, et, al.,	Time dependent permeability, Oscillatory suction and Hall effects on MHD Free convective flow throughPorous medium over an infinite vertical plate	Journal of Xidian University	14(4)	2009-2032	2020

	B.V.Swarnalatha mma, et, al.,	Hall effects onUnsteady MHD Rotating flow of Second grade fluid through Porous medium between two vertical plates	Journal of Xi'an University of Architecture & Technology	12(3)	4290-4312	2020
	M.Veera Krishna, B.V.Swarnalathamma and Ali J. Chamkha	Heat and mass transfer on MHD Chemically Reacting flow of a Micro-polar fluid through a Porous medium with Hall effects	Special Topics & Reviews in Porous media: An International Journal	9(4)	347-364	2018
	B..V.Swarnalath amma,. et, al.,	Combined Effects on Unsteady MHD Convective flow of Rotating Viscous Fluid through a Porous Medium over a Moving Vertical Plate	International Journal of Applied Engineering Research	13(11)	9245-9259	2018
	B.V.Swarnalathamma	Heat and Mass transfer on MHD flow of Nanofluid with Thermal slipEffects	International Journal of Applied Engineering Research	13(18)	13705-13726	2018
	M.Veera Krishna, B.V.Swarnalathamma	Hall effects on Unsteady MHD Free Convection flow of anincompressible and Chemical reaction	IOSR Journal of Mathematics	12(2)	8-24	2016
	M.Veera Krishna, B.V.Swarnalathamma	Heat and Mass transfer on the peristaltic flow of an incompressible electrically conducting Williamson fluid through a porous medium in a symmetric channel with Hall current effects and inclined magnetic field	International Journal of Scientific & Engineering Research	6(9)	941-957	2015
	B.V.Swarnalathamma	Structure of Semirings with IntegralMultiple Property	International Journal of Advanced Engineering and Global Technology	3(12)	1542-1546.	2015
	Archana & B.V.Swarnalathamma	On The Additive And Multiplicative Structure Of Semirings	International Journal of Mathematical Achive	3(7)	2735-2738	2012

Google Scholar ID	https://scholar.google.com/citations?user=rCvw-g0AAAAJ&hl=en]
H-Index (As per SCOPUS Database)	8
Details of Short-Term Training Programs/Faculty	• Participated in "National Workshop and Matrices and Applications", Indian Statistical Institute, SQC and OR Unit, Hyderabad from 4-1-2006 to 15-1-2006.

Development Programs/Seminars/ Workshops (Attended)	• Guest speaker in " Refresher Course on Intensive Teaching Methodology" form 21 January to February 2015 and "Intensive Teaching Workshop" from 4 Feb to 5 March2015 in J.B. Institute of Engg.& Technology, Moinabad , Hyderabad. • Participated in the " Advanced Workshop on Dynamical Models in Ecological, Epidemiological Sciences and Engineering- Theory, Computations, and Real world Applications" , under the auspices of national program on Differential Equations-TCA sponsored by DST, Govt. of INDIA held at Stanley college of Engineering and Technology for Women, during the period March 14-19, 2016. • Participated in the " Effective Teaching Methods & Best Practices" organized by J.B.Institute of Engineering & Technology during, 5-9 December, 2016. • Participated in the " Statistical Analysis with R"organized byJ.B.Institute of Engineering & Technology in association with Electronics ICT Academy is being set up at NIT, Warangal, during, 18th -23rd March, 2017. • Participated in the " National workshop on MATLab and its Application MIA' 17" organized byJ.B.Institute of Engineering & Technology in association with CAPRICOT and IETE, during, 1st - 6th May, 2017.