

PASUMPON MUTHURAMALINGA THEVAR COLLEGE, USILAMPATTI-625 532.

Staff Profile

1.	Name (In Block Letters)	:	Dr.M.K.SIVASANKARI
2.	Father's Name /Mother's Name	:	I.MAYAKKANNAN
3.	Department	:	Mathemtics
4.	Current Designation & Grade Pay	:	67,580
5.	Date of last Promotion	:	
6.	Date of birth	:	15.01.1979
7.	Sex	:	Female
8.	Marital Status	:	Married
9.	Nationality	:	Indian
10.	Community	:	DNT
11.	Address for correspondence (with pincode)	:	36,5D, Near PSR Mill,Kavandanpatti road, Usilampatti (T.K), Madurai (D.T) , 625532
12.	Permanent Address (with pincode)	..	36,5D, Near PSR Mill,Kavandanpatti road, Usilampatti (T.K), Madurai (D.T) , 625532
13.	phone No:		9443664919
14.	Email.		sujipriya18@rediffmail.com

15. Academic Qualifications

Examinations	Name of the Board/University	Year of Passing	Percentage of marks obtained	Division / Class/ Grade	Subject
SSLC	Alvernia Matriculation Hr. Sec. School, Coimbatore.	1994	76.9%	I	Matriculation
HSC	Chandler Matriculation Hr. Sec. School, Madurai.	1997	71.8%	I	Matriculation
B.Sc.	Bharathiar university, Coimbatore	1997-2000	82%	I With Distinction	Mathematics
M.Sc.	Bharathiar university, Coimbatore.	2000-2002	7.64 (CGPA) (76.4%)	I	Applied Mathematics
M.Phil.	MK University, Madurai	2006-2007	61%	I	Computer Science

Ph.D.*	MK University, Madurai	2010-2013		Awarded	Mathematics
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16. Research Degree(s)

Degrees	Title	Date of Award	University
M.Phil.,	Routing problem in Ant Algorithm	Apr.2007	MK University, Madurai
Ph.D.	Analytical and Numerical Solutions of Parabolic Problems in Physical Sciences	Apr. 2013	MK University, Madurai

17. Appointments held prior to joining this institution

Designation	Name of Employer	Date of Joining		Salary with Grade	Reason of Leaving
		Joining	Leaving		
Lecturer in Pasumpon Muthuramalinga Thevar College, Usilampatti	Dr.M.K.Sivasankari	02.06.2002	02.03.2007	10,000	Job obtained in Coimbatore.
Lecturer in Bharath Niketan Engineering College, Aundipatti	Dr.M.K.Sivasankari	06.10.2008	31.12.2010	17,000	To learn Ph.D

18. Posts held after appointment at this institution:

Designation	Department	Date of actual joining		Grade
		From	To	
Assistant Professor	Mathematics	06.08.2015	Till Date	

19. Period of teaching experience:

P.G. Classes (In years) ..2 Years

U.G. Classes (In years) .. 10 Years

20. Research Experience excluding

Years spent in M.Phil./ Ph.D ... 3 Month

I have guided for four students, related with the subject Partial Differential Equations. I also conducted conference during the pandemic period through online.

21. Fields of specialization under the subject/Discipline

a. Partial Differential Equations.

22. Academic Staff College Orientation/Refresher Course attended

Name of the course/summer school	Place	Duration	Sponsoring Agency
Orientation Programme	MKU	1 Month	MK University, Madurai.

TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

(i) Lectures, Seminars, Tutorials, Practicals, Contact Hours (give semester-wise details, where necessary)

S.No.	Course/Paper	Level	Mode of teaching*	Hours per week allotted	% of classes taken as per documented record

(ii) Reading/Instructional material consulted an additional knowledge resources provided to students

S.No.	Course/Paper	Consulted	Prescribed	Additional Resource provided

(iii) Use of participatory and Innovative Teaching-Learning Methodologies, Updating of Subject Content, Course Improvement etc.

S.No.	Short Description	API Score

(iv) Examination duties assigned and performed

S.No.	Type of Examination Duties	Duties Assigned	Extent to which carried out (%)	API Score

CO-CURRICULAR & FIELD BASED ACTIVITIES

S.No.	Type of Activity	Average Hrs/Week	API Score
(i)	Extension, Co-curricular & Field based activities		
	NSS Programme Officer	2017-2020	
(ii)	Contribution to corporate life and Management of the Institution	Yearly/Semester wise responsibilities	API Score
(iii)	Professional Development Activities		

RESEARCH, PUBLICATIONS AND ACADEMIC CONTRIBUTIONS

A) Published papers In Journals

S.No.	Title with page Nos.	Journal	ISSN/ ISBN No..	Whether peer reviewed. Impact Factor, if any	No. of Co-author	Whether you are main author	API Score
1.	Mathematical Modeling of Amperometric Enzyme Electrodes in the Homogeneous Mediated	International Journal of Mathematical Achieve		0.54	1	yes	

	Mechanism Using Homotopy Perturbation Method(1172-1886)						
2.	Analytical expressions of steady-state concentrations of species in potentiometric and amperometric biosensor(1029-1041)	Natural science.		0.94	1	Yes	
3.	Analytical Expression of the Concentration of Species and Effectiveness Factors in Porous Catalysts using the Adomian Decomposition Method(95-105)	Kinetics and Catalysis		0.668	1	Yes	
4.	Analytical Expressions of Concentration of VOC and Oxygen in Steady-State in Biofiltration Model(314-325)	Applied Mathematics		0.94	1	Yes	
5.	Analytical Solution of Non-Linear Equation in Multi-Phase	International Journal of Advanced Engineerin		1.4	3	Yes	

	Microchannel Bioreactors(150-162)	g Research and Science (IJAERS)					
6.	Theoretical analysis of concentration of lactose hydrolysis in a packed bed reactor using immobilized β -galactosidase	Ain Shams Engineering Journal		1.2	3	Yes	
7.	Mathematical models of solving partial differential equations in variational iteration method.	Advances and applications in mathematical sciences(1087-1092)		0.9	2	No	
8.	Analytical solution of steady state substrate concentration of an immobilized enzymes kinetics by Adomian Decomposition method(1063-1070)	Advances and applications in mathematical sciences(1063-1070)			2	No	

C). Ongoing and completed Research Projects and consultancies

(c). (I & II) Ongoing Projects/Consultancies

Sl.No.	Title	Agency	Period	Grant/Amount Mobilised (Rs.Lakh)	API Score

(c). (iii&iv) Completed Projects/ Consultancies

Sl.No.	Title	Agency	Period	Grant/Amount Mobilized (Rs.Lakhs)	whether policy document /patent as outcome	API Score

D). Research Guidance

Sl.No.	Number Enrolled	Thesis Submitted	Degree Awarded	API Score
M.Phil or equivalent	5	Yes	Yes	
Ph.D. or equivalent	4	Not yet	No	

E) (i) Training Courses, Teaching-Learning-Evaluation Technology

(Programmes, Faculty Development Programmes(not less than one week duration)

S.No.	Programme	Duration	Organised by	API Score

(ii) Papers presented in Conferences, Seminars, Workshops, Symposia

S.No.	Title of the paper presented	Title of conference/ Seminar etc	Organised by	Whether International / National /State/ Regional/College or University level	API Score
1.	Recent development in mathematics and its applications	Department of Mathematics, The Madura College, Madurai.	The Madura College, Madurai	International	
2.	Mathematical modeling, approximate analytical & numerical methods	Department of Mathematics, KLN College of Engineering	KLN College of Engineering	National	
3.	Applications of differential equations	Department of Mathematics, The Madura College, Madurai.	The Madura College, Madurai	International	
4.	Mathematical, theoretical and computational chemistry	Department of Mathematics, The Madura College, Madurai	The Madura College, Madurai	National.	
5.	Recent development in graph theory and its applications	Department of Mathematics, Ultra College of Engineering and Technology for woman	Ultra College of Engineering and Technology for woman	State	

(iii) Invited Lectures and Chairmanships at national or international conference/seminar etc.

S.No.	Title of Lecture/ Academic Session	Title of Conference/ Seminar etc.	Organised by	Whether International / National	API Score
1.	Numerical simulation of fuzzy Lattice Boltzmann Equation for fluid flow analysis through micro porous medium(Prof.(Dr) Debabrata Datta Senior Scientist (Retd.) Former Head, Radiological Physics & Advisory Division Bhabha Atomic Research Centre Mumbai 400085)	Two day International Web conference on Research Trends in Applied Science,Engineering and Technology	Dr.M.K.Sivasankari	International	
2.	Non linear problems in applied sciences. (Dr.L.Rajendran Professor, Department of Mathematics Academy of Maritime Education and Training (AMET), Deemed to be University, 135, East Coast Road, Kanathur-603112 , Chennai, Tamilnadu.)	Two day International Web conference on Research Trends in Applied Science,Engineering and Technology	Dr.M.K.Sivasankari	International	

PART-C: OTHER RELEVANT INFORMATION

Please give details of any other credential, significant contributions, awards received etc. not mentioned earlier.

Sl. No.	Details (Mention Year, Value etc. where relevant)

LIST OF ENCLOSURES: (Please attach, copies of certificates sanction orders papers etc. wherever necessary)

S.No	Particulars	S.No	Particulars
1	10 th , +2, UG. PG, M.Phil Mark sheets	5	Published Papers in Journal
2	UG, PG, M.Phil, Ph.D Degree Certificates	6	Paper Presented Certificates
3	Community Certificates	7	Research Experience Certificates
4	Other Examination Certificates	8	Faculty Development Programmes

Signature of HOD
faculty

Signature of the