

FACULTY PROFILE



Name	R. Prem Kumar
Mother's Name	R. Banumathi
Place of Birth	Chennai
Gender	Male
Nationality	Indian
Department	Mathematics
Current Designation & Grade Pay	Assistant Professor/Academic Level 10
Address for Correspondence	No.1, Lourde Street, Pasumpon Nagar Extension, Karaikal- 609602. Union Territory of Puducherry.
Mobile	9600107815
Email Id Email Id (Official)	premmaths.agcw@gmail.com premkumar@dh tepdy.edu.in

Academic Qualifications :

Examinations	Subject	Year of Passing	Name of the Board/ University
S.S.L.C.	NA	1998	Velammal Matriculation Higher Secondary School, Chennai-50, Matriculation Board
H.S.C.	NA	2000	Velammal Matriculation Higher Secondary School, Chennai-50, State Board
B.Sc.	Mathematics	2003	Pachaiyappas College Chennai-30, Affiliated with the University of Madras
M.Sc.	Mathematics	2005	Pachaiyappas College, Chennai-30, Affiliated with the University of Madras
SET(Joint SET)	Mathematical Science	2012	Bharathiar University, Coimbatore - Nodal Agency to conduct joint SLET for Tamilnadu and Union Territory of Puducherry

Research Degree(s)

Degrees	Subject	University	Title	Date of Award
M. Phil.	Mathematical Science	Alagappa University, Karaikudi, Tamilnadu	NA	2007
PhD	Mathematics	National Institute of Technology Puducherry, Karaikal-609609	Mathematical Modelling of Infectious Diseases	Pursuing

Period of Teaching Experience: 14 Years and 10 Months

Designation	Period		Organization	Nature of Employment
	From	To		
Assistant Professor	19-01-2018	Till Date	Avvaiyar Government College for Women, Karaikal	Regular
Assistant Professor	10-07-2015	12-05-2017	Central University of Tamilnadu, Thiruvavur, Tamilnadu-610101.	Contract
Temporary Faculty	21-08-2014	09-07-2015	National Institute of Technology Tiruchirappalli, Tamilnadu-620015	Contract
Assistant Professor	11-07-2007	30-04-2014	Bharath University, Chennai-73	Regular

Fields of Specialization under the Subject / Discipline

- (a) Mathematical Biology
- (b) Population Dynamics
- (c) Ecological Modelling

HRDC Orientation / Refresher Courses Attended :

Name of the Course	Place	Duration	Sponsoring Agency
128 th Orientation Course	Pondicherry University	22-05-2019 to 11-06-2019	UGC-HRDC
Two - Week Refresher Course In “Mathematical Sciences”	ONLINE	14-06-2021 To 28-06-2021	Teaching Learning Centre, Ramanujan College, University Of Delhi, Under The Aegis Of Ministry Of Education Pandit Madan Mohan Malaviya National Mission On Teachers And Teaching(PMMMNTT)

Research Publications :

Sl. No	Title	Year	Journal/Book	Volume- Page With Impact Factor
1	Global stability and analysing the sensitivity of parameters of a multiple-susceptible population model of SARS-CoV-2 emphasising vaccination drive	July 2022	Mathematics and Computers in Simulation (SCI-journal)- Elsevier Publication	Volume 203, January 2023, Pages 741-766
2	Optimal control design incorporating vaccination and treatment on six compartment pandemic dynamical system	March 2022	Results in Control and Optimization (Scopus Indexed)- Elsevier Publication	Volume 7, June 2022, 100115
3	Preventive control strategy on second wave of Covid-19 pandemic model incorporating lock-down effect	January 2022	Alexandria Engineering Journal (SCI-journal)- Elsevier Publication	Volume 61, Issue 9, September 2022, Pages 7265-7276
4	Dynamical analysis of novel COVID-19 epidemic model with non-monotonic incidence function	September 2021	Journal of Public Affairs(Scopus Indexed)-Wiley Publication	Volume22, Issue S1 December 2022 e2754

Seminars/Webinars/Workshops/Conferences Organized:

Sl. No.	Seminars/Webinar/ Workshops/ Conferences -Organized	Organized By	Period	Convener/ Coordinator/ Member
1.	One day National Workshop on Mathematical Visualization NWMV-2018	Department of Mathematics, Avvaiyar Government College for Women, Karaikal-609602	13-03-2018	Organizing Committee
2	Short term course competitive exam training programme/placement training	Department of Mathematics, Avvaiyar Government College for Women, Karaikal-609602	05-03-2019 To 06-03-2019	Organizing Committee
3	National Webinar on “ Interesting Facts about Numbers and it’s friend”	Department of Mathematics, Avvaiyar Government College for Women, Karaikal-609602.	23-12-2020	Organizing Committee
4	National Webinar on the National Mathematics day	Department of Mathematics, Avvaiyar Government College for Women, Karaikal-609602.	24-12 2021	Organizing Committee
5	International Seminar on Advances in Mathematics-ISAM 2022	Department of Mathematics, Avvaiyar Government College for Women, Karaikal-609602.	21-12-2022 to 23-12-2022	Organizing Committee

Seminars/Webinars/Workshops/Conferences Attended:

Sl. No.	Seminars/Webinars/ Workshops/ Conferences -Attended	Organized By	Period
1.	One day Orientation Programme for the Newly Recruited Faculty members of Arts and Science colleges in the Union Territory of Puducherry	Tagore Government Arts and Science College, Puducherry	19-07-2018
2.	Workshop on Applications of Differential Equations (WADE-2020)	Department of Applied Mathematics, Bharathiar University, Coimbatore.	12-02-2020 to 14-02-2020
3.	National Conference on Mathematical Theory of Control (NCMTC-2020)	National Institute of Technology Puducherry, Karaikal & Indian Institute of Space Science and Technology, Trivandrum	10-12-2020 to 12-12-2020
4	International Webinar on “Eco Friendly Energy Technology & Its Future	Organized by Department of Physics in association with IQAC, Avvaiyar Government College for Women, Karaikal, Puducherry (UT)	02-07- 2021
5	National Webinar On Different Types Of Cyber Attacks And Counter measures, By Shri V. Gopi Swaminathan, Scientist F, Senior Technical Director, Nic, Govt. Of India,	Organised by Department of Physics, Mahatma Gandhi Government Arts College, Mahe, U. T. of Puducherry	18-07- 2021
6	National Webinar on “Numerical Approximation of Non-linear Fractional Differential Difference Equations by using Modified He-Laplace Method”	Idhaya College For Women, Kumbakonam	06-08-2021
7	Virtual Lecture Workshop on Mathematical Biology	Department of Mathematics, School of Foundational Sciences, Kumaraguru College of Technology, Coimbatore-49	25-02-2022 to 26-02-2022
8	Value-added course on writing a research paper in Latex	Department of Mathematics Govt. V. Y. T. PG. Autonomous College, Durg (C. G.)	31-10-2022 to 12-11-2022

Other Relevant Information :

Sl.No.	Designation	Institute	Period
1	Nodal officer -NMEICT (National Mission On Education Through Information And Communication Technology)	Avvaiyar Government College for Women, Karaikal-609602	11-04-2018 to Till date
2	Nodal officer-ARIIA (Atal Ranking of Institutions on Innovation Achievements)	Avvaiyar Government College for Women, Karaikal- 609602	03-12-2018 to Till date
3	Nodal Officer-CMS (College management System)	Avvaiyar Government College for Women, Karaikal- 609602	22-06-2018 to Till date
4	Assistant Chief Superintendent of Examinations-Nov/Dec 2019	Avvaiyar Government College for Women, Karaikal-609602	20-11-2019 to 21-12-2019
5	Presiding officer-General Elections to Loksabha-2019	District Election Office	18-04-2019
6	Presiding officer-General Elections to Puducherry Legislative Assembly 2021	District Election Office	06-04-2021
7	Nodal Officer-RUSA (Component-9, Equity Initiatives) and Data Operator for PFMS (Public Financial Management System)	Avvaiyar Government College for Women, Karaikal- 609602	27-10-2022 to Till date