

## RESUME

**G.PETCHIAMMAL**

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### EDUCATION:

‘Education is the most powerful weapon which you can use to change the world’ .

- Nelson Mandela

### ACHIEVEMENTS:

- Qualified SET 2016 (STATE LEVEL ELIGIBILITY TEST) conducted by Mother Teresa Women’s University, Kodaikanal.
- Secured UNIVERSITY RANK II in M.Sc Mathematics.

### Research Experience:

- Six years Research experience in Mathematics under the guidance of Dr.C.Ganesan, Assistant Professor, VHNSN College (Autonomous), Virudhunagar.

### Teaching Experience:

- From 05.12.2018 to till date working as an Assistant Professor (**Regular**) in Department of Mathematics in Virudhunagar Hindu Nadar’s Senthikumara Nadar College (Autonomous), Virudhunagar.
- Three years and 6 months Experience (18.06.2015 to 04.12.2018) as an Assistant Professor (**SF**) in Department of Mathematics in Virudhunagar Hindu Nadar’s Senthikumara Nadar College (Autonomous), Virudhunagar.
- One year and 2 months (14.02.2014-30.04.2015) Experience as an Assistant Professor in Department of Mathematics Sri Sarada Mahavidyalayam Arts and Science College for Women, Ulundurpet.

### **Chapter in Book :**

- A chapter “Time Management “ in the book “Life Skill Education “ published by V.H.N Senthikumara Nadar College (Autonomous), Virudhunagar with ISBN 978-81-942052-3-4.
- Contribute a Book Chapter “A Note on Generalized Sequential Quotient Space “ for Emerging Trends & Innovations in Science, Engineering and Social Sciences to be published by Virudhunagar Hindu Nadars’ Senthikumara Nadar College, Virudhunagar with ISBN 978-81-942052-9-6.
- Contribute a Book Chapter “Optimal Domination Number for the structure representation of a path” published by Virudhunagar Hindu Nadars’ Senthikumara Nadar College, Virudhunagar with ISBN 978-81-942052-2-7.

### **Paper Published - 3:**

- Non-fragile robust synchronization for markovian jumping chaotic neural networks of neutral-type with randomly occurring uncertainties and mode-varying delays, ISA published by Elsevier ltd, 2014.
- Optimal Domination Number for the structure representation of a path , Parishodh Journal, UGC CARE List Group – I, Volume IX, Issue I, 65-73, January 2020.
- Some Results on Ceiling function, Parishodh Journal, UGC CARE List Group – I, Volume IX, Issue III, 4732 – 4737, March 2020.

### **Paper Presented - 3**

- Presented a paper on “Optimal Domination Number for the structure representation of a path” in National Level Conference on Recent Trends in Applied Mathematics 2020 conducted by Department of Mathematics, VHNSN College (Autonomous), Virudhunagar on 10.01.2020.
- Presented a paper on “ Fourier Transform on generalized Sequential Quotient Space” in International Conference on Algebra, Analysis and their Applications organized by School of Mathematics, Madurai Kamaraj University, Madurai on 09.01.2020
- Presented a Paper Titled “A Note On Generalized Sequential Quotient Space “ in the International Virtual Conference on Recent Trends & Innovations in Science, Engineering and Social Sciences (IVCRTISESS-2020) organized by Senth Research Advocacy Forum, V.H.N.Senthikumara Nadar College (Autonomous), Virudhunagar

and PEARL - A Foundation for Educational Excellence, Bengaluru during September 4 to 6 , 2020.

### **Question Paper Setter :**

Acted as a Summative Examination Question Paper Setter for the following Colleges.

1. P.K.R Arts College for Women (Autonomous), Gobichettipalayam.
2. Mannar Thirumalai Naicker College (Autonomous), Madurai.
3. Thiagaraj College (Autonomous), Madurai
4. P.S.G Arts and Science College, Coimbatore.

### **Orientation Programme :**

- Participated in the UGC Sponsored 107<sup>th</sup> Orientation Programme from 12.11.2019 to 02.12.2019 at Bharathidasan University, Tiruchirapalli.

### **Refresher Course :**

- Participated in the Refresher Course in Applicable Mathematics, Teching Learning Centre, Ramanujan College, University of Delhi from Dec 15 to Dec 29, 2021.

### **Outreach Programme :**

- Participated in the outreach programme for college professors on the topic “Awareness on MOOCs” under DBT Star college scheme organized by the Department of Mathematics, V.V.V College for Women, Virudhunagar on 01.02.2021.

### **NPTEL Course :**

- Completed 8 weeks online certificate course “Basic Linear Algebra” with Ellite Grade.
- Completed 8 weeks online FDP certificate course “Graph Theory”.

### **Teachers Enrichment Workshop :**

- Participate in the Teachers Enrichment Workshop on “Linear Algebra & Multivariable Calculus” held at Mepco Schlenk Engineering College, Sivakasi from May 13-18, 2019.

- Participate in the Teachers Enrichment Workshop on “Complex Analysis and Number Theory ” held at Mepco Schlenk Engineering College, Sivakasi from December 18-31, 2021.

#### **International Colloquium:**

- Two days international colloquium on “Recent Trends in Mathematical Sciences ICRTMS -2021” organized by Department of Mathematics & IQAC , Mata Sundri College for Women, University of Delhi from Nov 15 to Nov 16, 2021.

#### **Guest Lectures Delivered - 2 :**

- Delivered a lecture on the topic “Probability” and served as Resource Person in the Young Students Scientist Programme ( YSSP- 2018) conducted by VHNSN College (Autonomous), Virudhunagar catalysed and supported by TNSCST, Chennai from 23.12.2018 to 06.01.2019
- Delivered a lecture on the topic “Impressive Public Speaking” and served as Resource Person organized Personality Development Cell, VHNSN College (Autonomous), Virudhunagar on 24.9.2019

#### **Short Term Courses Attended :**

- National Level One Week Short Term Yoga courses for faculty members on “Yoga Practices for physical & mental health management during this pandemic situation” organized by the Department of Physical Education, Mother Teresa Women’s University, Kodaikanal & world community Service Centre, Aliyar held form 17<sup>th</sup> to 22<sup>nd</sup> May 2021.

#### **Faculty Development Programme Participation – 16 :**

- Faculty Development Programme on Enable relationship – Enhance skills – Empower students organized by the Department of Management studies, V.H.N Senthikumara Nadar College (Autonomous), Virudhunagar on Septemeber 19, 2019.
- National Level Online Interdiscilpinary Faculty Development Programme on “Inclusive Indian Traditions for a Holistic Global Education” from May 3-9, 2020 by Department of Mathematics, PSGR Krishnammal College for Women, Coimbatore.

- Two days National Level Faculty Development Programme on May 13,14, 2020 by North Storm Academy..
- One week Faculty Development Programme on “Probability and Statistics (with hands on training using virtual MATLAB &R” organized by School of Advanced Sciences, Department of Mathematics, Kalasalingam Academy of Research and Educatio, Krishnankoil during May 16 -20, 2020.
- Faculty Development Programme on Digital Teaching on June 1-3, 2020 by IQAC, V.H.N Senhikumara Nadar College (Autonomous), Virudhunagar and DCE Technology, Virudhunagar.
- National Level Live Faculty Development Programme on “ Future of Examinations: Bloom’s Taxonomy and Multiple Assessment Tools” conducted by G.T.N Arts College (Autonomous), Dindigul on June 8, 2020.
- Online Faculty Development Programme on “Introduction to Fuzzy sets and its Generalization” organized by Department of Mathematics, Mepco Schlenk Engineering College(Autonomous), Sivakasi on June 10, 2020
- Five Days Faculty Development Programme on “Innovation Startups & Research Challenges in India” organized by Internal Quality Assurance Cell, Idhaya Engineering College for women, Chinnasalam from 7<sup>th</sup> June 2021 to 11<sup>th</sup> June 2021.
- One week online Faculty Development programme on “Outcome Based Education” organized by Department of Computer Science and Engineering & Department of Electronics and communication Engineering, Kallan Haranadhareddy Institute of Technology in Collaboration with computer society of India, Vijayawada chapter from 21<sup>st</sup> June 2021 to 25<sup>th</sup> June 2021.
- One week Faculty Development Programme on “Software tools for Mathematical Education” from 30.8.2021 to 05.09.2021 organized by Department of Mathematics, Bannari Amman Institute of Technology, Sathyamangalam and providence college for women, Coonoor.
- Three days online Faculty Development programme on “Quality Assurance In Higher Education” organized by the Department of Business Administration in association with Internal Quality Assurance Cell from 22<sup>nd</sup> September 2021 to 24<sup>th</sup> September 2021 under UGC Paramesh Scheme.
- Three days online Faculty Development programme on “Scope for Skill Development in Science Programmes” organized by Internal Quality Assurance Cell

& Department of Mathematics (UG) , Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi from 23<sup>rd</sup> September 2021 to 25<sup>th</sup> September 2021.

- One day FDP ON “Ignite Your Mind” organized by IQAC, VHNSN College (Autonomous), Virudhunganur on 09.11.2021.
- One week online International FDP on “The Role of Linear Algebra in Machine Learning , Artificial Intelligence & Data Science” from Nov 29 - Dec 3, 2021.
- Two week International FDP on “Research Perspectives in Mathematics and its Applications” organized by Department of Mathematics, Sathyabama Institute of Science and Technology, Chennai from July 4, 2022 to July 16, 2022.

#### **Conferences Attended - 7 :**

- National Conference on Applied Stochastic Methods, NCASM 2012, March 23-24, School Of Mathematics, Madurai Kamaraj University, Madurai.
- National Conference On Computational Biology, February 15-16, 2013 , DRDO-BU Center for Life Sciences, Bharathiar University, Coimbatore.
- National level conference on Recent Advances in Pure and Applied Mathematics held on 13 February 2017, Arul Anandar College (Autonomous), Madurai.
- TNSCST Sponsored Two day International Conference on Applications of Mathematics in Science and Technology during 25 & 26.07.2019 at AAA College of Engineering and Technology, Sivakasi.
- National Level Conference on “ Recent Trends in Applied Mathematics – 2020” conducted by Department of Mathematics, VHNSN College (Autonomous), Virudhunganur on 10.01.2020.
- International Conference funded by National Board For Higher Mathematics and Madurai Kamaraj University on Algebra, Analysis and their Applications organized by School of Mathematics, Madurai Kamaraj University, Madurai from 09.01.2020 to 12.01.2020
- International Virtual Conference on Recent Trends & Innovations in Science, Engineering and Social Sciences (IVCRTISESS-2020) organized by Senthil Research Advocacy Forum, V.H.N.Senthikumara Nadar College (Autonomous), Virudhunganur and PEARL - A Foundation for Educational Excellence, Bengaluru during September 4 to 6 , 2020.

**Workshops Attended – 7 :**

- State Level workshop on “LATEX and Maple ”, 23 February 2018, Department of Mathematics with Computer Applications, VHNSN College, Virudhunagar.
- Teachers Enrichment Workshop on “Linear Algebra & Multivariable Calculus “ funded by National Centre of Mathematics held at Mepco Engineering College, Sivakasi from 13.05.2019- 18.05.2019.
- Oneday State Level workshop on Vedic Mathematics organized by the Department of Mathematics, Sri Vidhya College of Arts and Science, Virudhunagar on 19.12.2019.
- Two days workshop on Complex Analysis and its Applications organized by Department of Mathematics, Mepco Schelenk Engineering College (Autonomous), Sivakasi from 12.03.2020 to 13.03.2020.
- Ten days free online Workshop for Teachers from April 21 to 30, 2020 by Teachers Academy, Puducherry.
- Five days online Workshop on “Mathematical Sciences for CSIR-NET/SET/GATE” from May 11 to 15, 2020 by Sree Narayana Guru College, Coimbatore.
- CMI –NASI online workshop on Linear Algebra and Elementary Number Theory by Mepco Schelenk Engineering College (Autonomous), Sivakasi from Jan 27, 2021 to Feb 26, 2021

**Participation in Webinars - 4 :**

- Super session Webinar on “Good Teacher to Great Teacher”, Expert Session By Dr.Sylendra Babu IPS on May 14, 2020 conducted by ICT Academy, Sky Campus.
- One day PG Department of Mathematics & IQAC webinar on “Introduction to Latex” on May 28, 2020 by Loganatha Narayanasamy Government College (Autonomous), Thiruvarur.
- Three days International webinar on “Graph Theory & Human factors in Aviation” organized by PG & Research Department of Mathematics, G.Venkataswamy Naidu College, Kovilpatti from June 3, 2020 to June 5, 2020.
- Webinar for “CSIR NET ASPIRANTS” organized by the Department of Mathematics, S.T Hindu College, Nagercoil on June 7, 2020.

**Online Courses - 3 :**

- Five days Online Course on “Stress Management “ organized by Department of Management and Research, AVS College of Arts and Science, Salem from April 13, 2020 to April 17, 2020.
- Two days Online Course on “Personality Development” from April 17, 2020 to April 18, 2020 by Vivekanadha College of Arts and Sciences for Women, Nammakkal.
- 3 days International Level Online Course on “Operation Research with 91%” from May 18, 2020 to May 20, 2020 by V.H.N. Senthikumara Nadar College (Autonomous), Virudhunagar.

#### **Online Assessment Courses - 5:**

- National Level E Quiz on “Mathematical Analysis “ on March 5, 2020 organized by the PG and Research Department of Mathematics, Mannar Thirumalai Naicker College (Autonomous), Madurai.
- Two days Online Assessment Course on “ Level Your Proficiency in English” organized by International Journal of Advance study and Research work from April 24, 2020 to April 25, 2020.
- Three days Online Assessment on “Improve Your Skills” from April 27, 2020 to April 29, 2020 by Department of Mathematics (SF), V.H.N Senthikumara Nadar College (Autonomous), Virudhunagar.
- Two days Online Cum E-Quiz on “Mathematical and Technical Aptitude” held on May 1, 2020 and May 2, 2020 organized by Brainstorm, Association of Mathematics (CA), SNMV College of Arts & Science, Cuddalore.
- Outstanding Performance in “Dare to Do” – Three days Online Quiz contest from May 15, 2020 to May 17, 2020 by G. Venkataswamy Naidu College, Kovilpatti.

#### **Cluster of Colleges Meet Attended:**

- Virudhunagar cluster of colleges joint faculty programme in Mathematics and a guest lecture on the topic “ Introduction to Tropical Algebra” on September 18, 2021 organized by V.V.V College for women, Virudhunagar.
- Virudhunagar cluster of colleges joint faculty programme in Mathematics and a guest lecture on the topic “ Classical Geometry” on September 25, 2021 organized by SFR College for women, Sivakasi.

## **Academic Qualifications :**

### **M.Phil., Mathematics (2012-2013)**

Department of Mathematics, Bharathiar University, Coimbatore.

Percentage Obtained : 79%

Dissertation Details :

Non-fragile robust synchronization for uncertain chaotic neutral-type Markovian jumping neural networks with randomly occurring uncertainties and mode-dependent time varying delays.

Title : Synchronization Of Neural Networks.

Guide : Dr R.Rakkiyappan, Associate Professor, Department of Mathematics, Bharathiar University, Coimbatore.

### **M.Sc., Mathematics (2010-2012)**

Department of Mathematics, Madurai Kamaraj University, Madurai.

Percentage Obtained : 82.38%

Title : Some Aspects of Queuing Systems.

Guide : Dr.G.Arivarignan, Professor and Head, Department Of Applied Mathematics and Statistics. Department of Mathematics, Madurai Kamaraj University, Madurai.

### **B.Sc.,Mathematics (2007-2010)**

Sri Meenakshi Govt.College For Women, Madurai

Percentage Obtained : 88.25%

### **Schooling**

H.S.C (2007) - 86.25%

Kalaimagal Higher Secondary School, S.Ramachandrapuram.

S.S.L.C (2005) - 83.5%

Hindu Girls High School, Watrap.

## **Software Skills**

- **Operating Systems**  
Linux (Ubuntu) , Windows
- **Programming Languages**  
ANSI C
- **Mathematical Softwares**  
Mathematica , Matlab
- **Document Processing Packages**  
LATEX

## **Certification Course**

- Post Graduate Diploma in Gandhian Thoughts.
- Desiya Kaviyam Ramayanam.
- Thirrukural Thakuthi Sandru From Ulaga Thirrukural Paeravai.

## **Sports Participation**

- Madurai Marathon (Run To Be Free From Anemia) On January 23, 2010.  
Taekwondo Self Defence Training For Women, From Sep 3, 2007 to 20,Februray 2008 in Madurai.
- Madurai Marathon (Run To Be Free From Anemia) On January 23, 2010.

## **Competitions In Colleges And Schools**

- Pannattu Tharvu ,Vivekanadar Pannattu Kalvi Kalagam year 2004-2005.
- Lioness Club Of Srivilliputtur Certificate For Ship Wreck competition on 27,November 2004 at LIONESS FEST-2004.
- Certificate of Merit From Sri Meenakshi Govt.College For Women,Madurai For English Drama 2008-2009, Second Place.

## **Others**

- Madurai Kamaraj University National Service Scheme Certificate For two years of service during 2008-2009 in the National Service Scheme in Sri Meenakshi Govt.College For Women,Madurai.
- Madurai Kamaraj University National Service Scheme Certificate For Participation Of Seven Days Special Camping Programme on the theme “Health Youth For Health India” Organised At Annaiyur From 09.03.2009 to 15.03.2009.
- Participated in One day CSIR NET Prelims Programme held at SFR College, Sivakasi on 20.08.2016.

- Participated in One day CSIR NET Prelims Programme held at SFR College, Sivakasi on 13.10.2018.

### **Personal Details**

Date Of Birth : 10.05.1990

Sex : Female

Marital Status : Married

Address For Communication : G.Petchiammal  
Assistant Professor  
Department of Mathematics  
V.H.N Senthikumara Nadar College  
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### **Declaration**

I hereby declare that the above details furnished are true to my knowledge.

G.PETCHIAMMAL