

## Resume

### Rakkiyappan Rajan

Assistant Professor  
Department of Mathematics

**Telephone:** +91 0422-2428418

**Mobile:** +91- 9486447053

**E-mail:** [rakkigru@gmail.com](mailto:rakkigru@gmail.com)



### Current Area of Research

- Lyapunov stability
- Complex Dynamical Networks
- Neural Networks
- Mathematical Biology
- Control Systems and its Applications

<b>SCOPUS ID:</b>	-	<b>Researcher ID:</b>	-	<b>Google Scholar ID:</b>	<a href="https://scholar.google.co.in/citations?user=5WP7pOUAAA&amp;hl=en">https://scholar.google.co.in/citations?user=5WP7pOUAAA&amp;hl=en</a>	<b>Vidwan ID:</b>	-
-------------------	---	-----------------------	---	---------------------------	---	-------------------	---

### Education

- Ph.D Mathematics (2011) – Gandhigram Rural Institute-Deemed University, Dindigul India.
- M.Sc Mathematics (2004) – PSG College of Arts and Science, Coimbatore, India.
- B. Sc. Mathematics(2002)-Sri Ramakrishna Mission Vidyalaya College of Arts and Science affiliated to Bharathiar University, Tamil Nadu, India.

### Professional Experience

- Assistant Professor, Bharathiar University, India, Since Feb 2011
- CSIR SRF, Gandhigram Rural Institute-Deemed University, Dindugal, April 2009-February 2011
- Project Fellow UGC-SAP (DRS) Programme, Gandhigram Rural Institute-Deemed University, Dindugal, March 2005-March 2009

### Additional Responsibilities

- SWAYAM course Co-Ordinator for M.Sc., Mathematics, Bharathiar University, Coimbatore.
- Library Incharge, NBHM Library, Department of Mathematics, Bharathiar University.

### Foreign Countries Visited:

- South Korea
- China
- UAE

### Sponsored Projects

**Completed** :3-(Rs. 36,77,500/.)  
**Ongoing** : Nil

### Research Guidance

✚ **Ph.D.** : 12      **Completed** – 8;      **Ongoing** - 4;  
✚ **M. Phil.** : 30      **Completed** -29;      **Ongoing**- 1  
✚ **M. Sc.** :      **PG Diploma** – nil

### Research Publications

✚ **Journals:**183      **International:** 183      **National:**0  
✚ **Books :** Nil      **Book Chapters :** 3

### Citation

Total Number of Citations : 6521(as on 02/20);      h-index – 48

### Five Significant/Recent Publications

- Udhayakumar Kandasamy, Xiodi Li, and **R.akkiiyappan Rajan** Quasi-Synchronization and Bifurcation Results on Fractional-Order Quaternion-Valued Neural Networks, IEEE Transactions on Neural Networks and Learning Systems, 2019.
- **R. Rakkiiyappan**, D. Gayathri, G. Velmurugan, J. Cao, Exponential synchronization of inertial memristor-based neural networks with time delay using average impulsive interval approach, Neural Processing Letters, 50, 2053-2071, 2019.
- B. Rajaram,**R. Rajan**, and X. Li, T-S fuzzy model based single-master multi-slave teleoperation systems with Decentralized communication structure and varying time delays, IEEE Transactions on Fuzzy Systems, 2019.
- V. Sharmila, **R. Rakkiiyappan**, and Y.H. Joo, Fuzzy Sampled-Data Control for DFIG-Based Wind TurbineWith Stochastic Actuator Failures, IEEE Transactions on Systems, Man, and Cybernetics: Systems, 1-12,2019.
- F. Kong, Q. Zhu, and**R. Rakkiiyappan**, Robust synchronisation control of discontinuous CGNNs with time-varying delays, International Journal of Control, 1-17,2019.
- P. Mani, **R Rajan**, and Y.H. Joo, Design of Observer-Based Event-Triggered Fuzzy ISMC for T-S Fuzzy Model and Its Application to PMSG, IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019.

-oo0oo-