

## CURRICULUM VITAE

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2. **Designation** : Assistant Professor
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6. **Educational Qualifications** : M.Sc., M.Phil, PGDCA., Ph.D.,

- ❖ Ph.D., MATHEMATICAL MODELING, Bharathidasan University, Trichy, 2020.
- ❖ M.Phil., A.V.V.M Sri Pushpam College (Autonomous), Poondi, Thanjavur, 2015.
- ❖ M.Sc., Rajah Serfoji Govt College (Autonomous), Thanjavur, 2014.

7. **Areas of Specialization** : Topology  
Fuzzy Topology

8. **Experience** : Teaching: 2 Years; Research: 2 Years.

9. **Research Publications** : 5 (Since 2019)

### 10. List of Paper Publications

- ❖ M. Kaliraja and K. Perarasan, An Impact Of Growth Hormone Releasing Hormone (GHRH) On Growth Hormone (GH) Response In Women Of Reproductive Age Associated With Obesity– A Stochastic Model Of Exponentiated Gumbel Type, *International Journal of Mathematical Sciences*, Vol. 18, Nos. 1-2, January-June 2019, pp. 17-25.
- ❖ M. Kaliraja and K. Perarasan, A Lindley Distribution model for Intravenous administration of Ghrelin Stimulates GH Secretion in Vagotomized Patients and normal subjects. *International Journal of Scientific Research in Mathematical and Statistical Sciences*, Vol.6, Issue. 2, pp.16-20, April 2019.
- ❖ M. Kaliraja and K. Perarasan, Vimala Subramanian, Transmutation of the Two Parameters-Rayleigh Distribution on the Effect of physical training on age-related reduction of GH secretion during exercise in normally cycling women, *International Journal of Scientific & Technology Research*, Vol.8, Issue 8, 2019.

- ❖ M. Kaliraja and K. Perarasan, A Mathematical WGED – Model Approach on Short-Term High in Density Exercise Training, Attenuated Acute Exercise – Induced Growth Hormone Response, *Mathematical Journal of Interdisciplinary Sciences*, Vol.8, No.1, Sep.2019, pp. 1-5.
- ❖ M. Kaliraja and K. Perarasan, A New Stochastic Model On The Generalization Of Sujatha Distribution For The Effect Of Two Types Of Exercise On Plasma Growth Hormone, *The International Journal of Analytical and Experimental Modal Analysis*, Volume XI, Issue IX, September/2019, pp.1164-1170.

## 11. List of Paper Presentation

- ❖ Presented paper entitled “A **Lindley distribution model for intravenous administration of ghrelin stimulates GH secretion in vagotomized patients as well as normal subjects**” in *UGC Sponsored international conference On Recent Advances in pure and applied mathematics*, held on 14<sup>th</sup> February, 2019 organized by department of mathematics, Arul Anandar College (Autonomous), Madurai.
- ❖ Presented paper entitled “A **mathematical WGED -model for the acute exercise-induced growth hormone is attenuated in response to short-term, high intensity exercise training**”, in *national conference on current scenario in pure and applied mathematics*, held on 26<sup>th</sup> February, 2019, organized by PG and research department of mathematics, Marudupandiyar College, Thanjavur.
- ❖ Presented paper entitled “**On Fuzzy M\*-Open and M\*-Closed sets in Fuzzy Topological Space**”, 2<sup>nd</sup> National Conference on Recent trends in applied sciences and computing engineering, held on 17th -20 December, 2020 organized by School of Advanced Sciences and Languages at VIT Bhopal University, Madhya Pradesh.

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