Curriculum Vitae

1. Name: Dr. Parthasakha Das

2. Nationality: Indian

3. Address for Communication:
F/8, Staff Quarters, Access through Secondary Gaye,
Sri Ram Nagar, Sriperumbudur, Tamil Nadu 602105

4. Academic Qualifications:

- **PhD in Mathematics from the IIEST, Shibpur (2020).**
- **M.Sc. in Mathematics from the Guru Ghasidas University (2011).**
- B.Sc (H) in Mathematics **from the Asutosh College under University of Calcutta (2009).**

5. Areas of Specialization:

- Differential equation; Linear Algebra; Probability & Statistics.

6. Current Research Interest: Epidemiological modelling; Cancer Dynamics; Evolutionary Game; Machine Learning; Dynamical Systems.

7. Present Position: Assistant Professor in Department of Mathematics

8. Immediate Past Position:

9. Other Important Academic and Administrative Assignments:

Head, Department of Mathematics

10. Total Teaching Experience: 08 Months

11. Total Research Experience: NA

12. Training Experience: NA

13. Invited Lecture Delivered in the Last Three Years: NA

14. Conference/Workshop/Seminar Attended in the Last Three/Five Years *(provide a list):*

15. Award Received (indicate the name of the Institute):

16. Experience of Supervision of Doctoral Thesis: NA

17. Research Projects (On-going and Completed): NA

18. Consultancy Services: NA

19. Member of Any Academic Body: NA

20. Book (Edited and Written): NA

21. List of Publication in the Recognised Journals (last five years):

1. Dehingia, K., **Das, Parthasakha**., Upadhyay, R.K., Misra, A.K., Rihan, F.A., Hosseini, K. (2022). Modelling and analysis of delayed tumour-immune system with hunting T-cells. *Mathematics and Computers in Simulation*, 203, 669-684. **Impact Factor: 3.601**

2. **Das, Parthasakha**., Mondal, P., Das, P., Roy, T. K., (2022). *International Journal of Dynamics and Control.* **10**, 620–629. **Impact Factor: 2.016**

3. **Das, Parthasakha**., Upadhyay, R. K., Misra, A. K., Rihan, F. A., Das, P., Ghosh, D., (2021). Mathematical model of COVID-19 with comorbidity and controlling using non-pharmaceutical interventions and vaccination. *Nonlinear Dynamics*, 106, 1213–1227, **Impact Factor:** 5.741

4. Das, S., Das, P., **Das, Parthasakha**., (2021). Chemical and biological control of parasite-borne disease Schistosomiasis : An impulsive optimal control approach. *Nonlinear Dynamics*, 104, 603–628, **Impact Factor:** 5.741

5. **Das, Parthasakha**., Nadim, Sk S., Das, S., Das, P., (2021). Dynamics of COVID-19 transmission with comorbidity: A data driven modelling based approach. *Nonlinear Dynamics*, 106, 1197–1211, **Impact Factor:** 5.741

6. Das, Parthasakha., Das, S., Upadhyay, R. K., Das, P., (2021) Optimal treatment strategies for delayed cancer-immune system with multiple therapeutic approach. *Chaos Solitons, Fractals*, 145, 110789. **Impact Factor: 9.992.**

7. **Das, Parthasakha**., Das, S., Das, S., Rihan, F.A., Uzuntarla, M., Ghosh, D., (2021). Optimal control strategy for cancer remission using combinatorial therapy: A mathematical model-based approach, 145, 110789. **Impact Factor: 9.992.**

8. **Das, Parthasakha**., Mukherjee, S., Das, P., Banerjee S., (2020). Characterizing chaos and multifractality in noise-assisted tumor-immune interplay, *Chaos.*30, 123118. **Impact Factor:3.267**

9. Das, S., Das, P**., Das, Parthasakha**., (2020). Dynamics and control of multidrug-resistant bacterial infection in hospital with multiple delays. Communications in Nonlinear Science and Numerical Simulation. 89, 105279, **Impact Factor:4.186**

10. Das, S., Das, P., **Das, Parthasakha**., (2020). Control of Nipah virus outbreak in commercial pig-farm with biosecurity and culling, *Math. Model. Nat. Phenom*. 15, 64. **Impact Factor:3.19**

11. **Das, Parthasakha**., Mukherjee, S., Das, P., Banerjee, S., (2020). Characterizing chaos and multifractality in noise-assisted tumor-immune interplay, *Nonlinear Dynamics* , 101, 675–685. **Impact Factor:** 5.741

12. **Das, Parthasakha**., Das, S., Das, P., (2020). Effects of Delayed Immune-activation in the Dynamics of Tumor-Immune Interactions, *Math. Model. Nat. Phenom*. 15, 45. **Impact Factor:3.19**

22. Any Other Relevant Information