

Faculty Profile

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Membership : - Nil -

Projects (Total Projects): - Nil –

Publications : (List Attached)

Articles (Total Articles.....2.....)

1. Nirmala. P. Ratchagar and M.Chitra. Aspects of Air flow through a trachea with mild constriction : Effects of Mucus Layer, Department of Mathematics, Annamalai University, Annamalainagar, held on 26.3.09 to 28.3.09.

2. Nirmala. P. Ratchagar and M.Chitra. "Effect of Chemicals on the Human Respiratory Tract", Chemical Effects on the Respiratory Tract" at the International Conference on Mathematical Modelling and Computer Simulation, Dec. 12 to 15, 2006 at LNMIIT, Jaipur.

Books (Total Articles): - Nil –

Journals (Total Journals5.....)

1. "A simple mathematical model to study the dynamics of temperature and water vapour concentration in an idealized trachea", Nirmala. P. Ratchagar and M. Chitra, Annamalai University Journal of Engineering & Technology (AUJET), 126-129.
2. " Aspects of air flow through a trachea with mild constriction", Nirmala. P. Ratchagar and M. Chitra, Bio science Research Bulletin, 22(1) ,59.
3. "Effects of Fine and Coarse Dust Particles on the Transport of Air in the Trachea", Nirmala. P. Ratchagar and M.Chitra, The journal of the Indian Academy of Mathematics"-Vol.29.No.2 pp.551-570.
4. Expected Time To Recruitment In Single Graded Manpower System When Threshold has Gamma Distribution, Parthasarathy,S., R.Vinoth and M. Chitra, Asian Journal of Science and Technology, Vol, 1, pp23-27.
5. "Effects of Fine Dust Particles on the Transport of Air in the Respiratory Tract", Nirmala. P. Ratchagar and M.Chitra ,Proceedings of the International Conference on Frontiers in Fluid Mechanics (ICFFM-60), pp660-673, Sapna Book House.