

Curriculum Vitae

SACHIN SHAW

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Education Qualification:

Sl. No.	University /Board	Year	Degree/ Certificate	Subject/ Specialisation	Division/
1.	W.B.C.H.S.E	1996	H.S.	Math, Phy,Chem, Bio	71%, 1 st
2.	Calcutta University	2002	B.Sc.	Mathematics	46.1%, 2 nd
3.	Indian Institute of Technology, Kharagpur	2004	M.Sc	Mathematics	7.11/10, 1 st
4.	Indian Institute of Technology, Kharagpur	2010	Ph.D (Thesis submitted on 7 th may)	Bio-fluid mathematics	
5.	CSIR-UGC	01/06/2 004	NET	Mathematical Sciences	

Papers published /communicated in reviewed journals:

1. Shaw, S. and Pawan Kumar. (2005) Loop-dead Optimization, *ACM SIGPLAN Notices*, 40 (2), 33-40, Feb 2005.
2. Shaw, S., Gorla, R. S. R., Murthy, P. V. S. N. and Ng, C. O. (2009) Pulsatile Casson Fluid Flow through a Stenosed Bifurcated Artery. *International Journal of Fluid Mechanics Research*, 36 (1), 43-63.
3. Shaw, S. and Murthy, P. V. S. N. (2010) Magnetic targeting in the permeable blood vessel - The effect of blood rheology, *Transactions of ASME, Journal of Nanotechnology in Engineering and Medicine*, 1(2), 021001 -1-11.

4. Shaw, S., Murthy, P. V. S. N. and Pradhan, S. C., (2010) Effect of non-Newtonian characteristics of blood on magnetic targeting in the impermeable micro-vessel. *Journal of Magnetism and Magnetic Materials*, 322, 1037-1043.
5. Shaw, S., Murthy, P. V. S. N. and Pradhan, S. C. (In press) The Effect of Body Acceleration on Two Dimensional Flow of Casson Fluid through an Artery with Asymmetric Stenosis. *The Open Transport Phenomena Journal*.
6. Shaw, S. and Murthy, P. V. S. N. (In press) Effect of the magnetic field on Casson fluid flow through an asymmetric stenosed bifurcated artery. *International Journal of Mathematical Modeling, Simulation and Applications*.
7. Shaw, S. and Murthy, P. V. S. N. (2010) Magnetic targeting in the impermeable micro-vessel with two phase fluid model – Non-Newtonian characteristics of blood, *Microvascular Research*, 80 (2), 209-220.

In Conference National / International

1. Shaw, S. and P. V. S. N. Murthy (2010) A model for predicting magnetic targeting in the permeable microvessel – the effect of blood rheology. First World Conference on Nanomedicine and Drug Delivery, Kottayam, April 16-18, 2010 (Abstract).
2. Shaw, S. and P. V. S. N. Murthy (2009) A model for predicting magnetic targeting in the permeable microvessel. 54th Congress of Indian Society of Theoretical and Applied Mechanics (An International Meet) – ISTAM 2009, Netaji Subhash Institute of Technology, New Delhi, 18th – 21st Dec. 2009 (Abstract).
3. Shaw, S., P. V. S. N. Murthy and S. C. Pradhan (2008) Casson fluid flow through a stenosed elastic artery. 53rd Congress of Indian Society of Theoretical and Applied Mechanics (An International Meet) – ISTAM 2008, Osmania University, Hyderabad, Dec. 2008 (Abstract).
4. Shaw, S., P. V. S. N. Murthy and S. C. Pradhan (2007) Casson fluid flow through a stenosed bifurcated artery in the presence of magnetic field. 52nd Congress of Indian Society of Theoretical and Applied Mechanics (An International Meet) – ISTAM 2007, B. N. M Institute of Technology, Bangalore, Dec. 2007 (Abstract).
5. Shaw, S., P. V. S. N. Murthy and S. C. Pradhan (2006) Casson fluid flow in a bifurcated artery with stenosis. 51st Congress of Indian Society of Theoretical and Applied Mechanics (An International Meet) – ISTAM 2006, Andhra University, Visakhapatnam, Dec. 2006 (Abstract).