

PROFORMA

1. Name :Dr. Hadibandhu Pattanayak

2. Designation :Reader

3. Date of Birth :05/12/1953

4. Educational Qualifications :

Sl. No.	Qualifications	Year of Passing	Subjects (PG onwards)	Division	Name of the University
1	B.Sc.	1974		2 nd with Distinction	Utkal University
2	M.Sc.	1976	Mathematics sp-Theory of real variable	1 st	Utkal University
3	M.Phil	1986	Mathematics(Numerical soln. Of some Newtonian and non-Newtonian fluid flow problems)	1st	Utkal University
4	Ph.D	1994	Numerical solution of some Non Newtonian Fluid flow problems		Utkal University
5	D.Lit.				

5. List of Publications

A. Papers Published in National & International Journals

Sl. No	Title	Name of the Journals with Full Address	Number	Volume	Month & Year of Publication	Page No From - To	National/ International
1	Implicit function diff. method for solution of a free convective	Modeling Measurement and control (B- AMSE Press)	2	45	1992	9-22	International
2	Numerical solution of porous squeeze film flow of oldryod-B liquid between two parallel disks	Modeling measurement and control	1	54	1994	41-52	International
3	An implicit stable difference scheme for visco- elastic flow and hit transfer between two parallel plates	Applied Mechanics and Engineering	2	2	1997	157-170	National
4	Finite difference soln.of mass transfer and free convection effects on the flow of a power law fluid past on impulsively started vertical plate	Proceedings of the international conference of NMS SP- J. of Orissa Mathematical society		16	1997	123-135	National

5	Effects of mass transfer on flow passed on impulsively started infinite vertical plate with oscillating plate temperature	North Bengal University review (Science & Technology)	1	9	1998	1-7	National

B. Number of Books Published

Sl. No	Title	Year of Publication	Name & Address of Publisher	Text Book/ Reference Book
1	Basic Foundation course on Mathematics for +2 vocational streme	1995	SCERT, Orissa	Text
2	Ganit a Self Study Material for Secondary Untrained Teachers	2003	SIET, Bhubaneswar	Text
3	Madhyamik Ganit (Optional Mathematics for Class X)	2006	BSE, Orissa	Text
4	Hand Book of Calculus		In Press	Reference

6. National /International Seminar/Conference/Symposium/Workshop Attended

Sl. No	Year	Type Seminar/ Workshop/ Conference/ Symposium	Name of the Conference/ Seminar/Workshop/ Symposium	Sponsoring Agency With Address	Place	Title of the paper presented/ Subject of the Seminar
1	1987	Workshop	National Workshop on Nonlinear Mechanics	UGC	Osmania University, Hyderabad	
2	1987	Conference/	32 nd Indian Society of Theoretical and Applied mathematics	DST, Govt. of India	IIT, Mumbai	Study of Unsteady Elastico-viscus Fluid Flow between two parallel disc.
3	1997	Conference	Numerical Modeling Simulation and and Strocastic process	DST, America	Utkal University	Finite difference soln.of mass transfer and free convection effects on the flow of a power law fluid past on impulsively

4	2003		6 th International Conference on IT (ICIT)	OITS Orissa	Bhubaneswar	started vertical plate RSA algorithm and its Application to Security in Data Communication
5	2003	Seminar	Changing Senario in Higher Education.	UGC	Ravenshaw College, Cuttack	Perspective and Priorities of Higher Education.
6		Symposium	National symposium on Scientific Computing with application to partial difference equations.	DST, Govt. of India	IIT, Kanpur	
7	2005	Seminar	National seminar on recent advances in Fluid Dynamics and applications.	UGC	Utkal University	Finite Difference Soln. Of Nonsteady flow of an Oldroyd-B liquid through rectangular channel with time varying pressure gradiant.
8	2007		Instructional conference on Mathematical methods in Science and Engineering Computation	UGC	Dept. of Mathematics(DRS) Utkal University	Finite Difference Soln of a third grade fluid over an infinite flat plate set to motion with a time dependent velocity
9	2007		National conference on Fluid Dynamics Application	UGC	Dept. of Mathematics(DRS) Utkal University	Finite Difference Soln of steady viscus incompressible flow passed in circular cylinder at high Reynold's number
10	2004		National conference on analysis and related topics	UGC	Institute of Mathematics and Application.	Finite difference soln of a steady simple shear flow past a circular cylinder at moderately high Reynolds number

7. Research Project Completed

Sl. No	Title	Sponsoring Agency with Address	Duration From – To	Amount of Grant

8. Ongoing Research Projects:

Sl. No	Title	Sponsoring Agency with Address	Date from which undertaken	Amount of Grant

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9. Whether awarded Ph.D/D.Lit :

Sl. No	Title of the Thesis	Name and Address of the guide	Year of Award
1	Numerical solution of some Non Newtonian Fluid flow problems	Prof. Sudarsan Padhy, HOD Mathematics Utkal University	1994

10. Research Guidance :

A. D.Lit

Sl. No.	Name of the Scholars	Regd. No. & Date	Title	Year of Award

B. Ph.D.

Sl. No.	Name of the Scholars	Regd. No. & Date	Title	Year of Award
1	Brajendra Ku Mishra	11M(Science) 2000	Numerical Simulation of some Hydrodynamic fluid flow problems	Submitted
2	Pruthiraj Jaydurga			
3	Rojalin Mohapatra			
4	Mrutunjay Dash			
5	Smriti ranjan Parida			

C. M.Phil

Sl. No.	Name of the Scholars	Regd. No. & Date	Title	Year of Award
1	Chittaranjan Das	1999	Numerical Integration of Complex valued functions	2000

2	Rojalin Mohapatra			
3	Pruthiraj Jaydurga	Numerical Soln of Partial Difference Eqns.	2000-2001	
4	Suresh Kumar Barik	Numerical soln of Naviers stokes equation Governing the supersonic flow over a flat plate the impact on computational fluid dynamics		
5	Smriti Ranjan parida			
6	Suresh Ch. Mahanta			
7	Mrutunjay das			
8	Sarat Ku Mahapatra			
9	Gobardhan saran			

Signature