National Institute of Technology, Tiruchirappalli:
Performa for CV of Faculty/ Staff Members

Curriculum Vitae

Brief Profile: 1-2 paragraphs (not exceeding 500 words)

1. Name : R.PONALAGUSAMY
2. Designation: Professor
3. Office Address: Professor of Mathematics
   Former Head, Department of Mathematics,
   National Institute of Technology,
   Tiruchirappalli- 620 015,
   TamilNadu, India
4. Telephone: +91-(431)- 2503664; +91 7402448889
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6. Field(s) of Specialization: Computational Experimentation, Bio – Fluid Mechanics, Parallel Algorithms, Computer Models in Metal Forming, Image Processing, Image Compression and DNA Computing.

7. Employment Profile

Job Title	Employer	From	To
Lecturer	REC, Tiruchirappalli	23.06.1989	23.07.1996
Assistant Professor	REC, Tiruchirappalli	24.07.1996	30.06.2005
Professor	NIT, Tiruchirappalli	01.07.2005	Till now

8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division/ Grade	Subjects
Ph. D	Indian Institute of Technolgy, Bombay	1986	-	Bio – Mathematics / Biorheology

M. Sc	Madurai Kamaraj University	1981	First (Distinction)	Applied Mathematics
B. Sc	Madurai Kamaraj University	1979	First	Applied Sciences

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/ Institution	From	To
Coordinator for Mathematics - I	Department of Mathematics	2000	2001
Counseling Staff-in-charge, Tamilnadu Engineering Admission	NIT, Tiruchirappalli	2001	2001
Warden	Post–Graduate Student Hostels	1st June, 2003	31st July, 2005
Election Officer (Held for the post of Secretary, Student's Association)	NIT, Tiruchirappalli	2005	2006
Convener, Board of Studies for I year B, Tech Courses	NIT, Tiruchirappalli	2008	2009
Head	Department of Mathematics	20.01.2010	31.01.2012
Appointed Member	Department Administrative Council, Department of Mathematics	30.01.2012	Till date

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
Eminent Resource Person, State Level Seminar on Computer Oriented Mathematical Techniques	Shrimati Indira Gandhi College, Tiruchirappalli	10.08.2007	11.08.2007
Member of Selection Committee (Subject Expert) for faculty recruitment	Department of Mathematics, NIT, Warangal	03.03.2012	04.03.2012
Member of Selection Committee (Subject Expert) for faculty recruitment	Department of Mathematics, Visvesvaraya NIT, Nagpur	22.03.2012	23.03.2012
Member of Selection Committee (Subject Expert) for faculty recruitment	Department of Mathematics, Anna University, Tiruchirappalli	20.11.2012	20.11.2012

Member of Selection Committee (Subject Expert) for faculty recruitment	Department of Mathematics, Thiagarajar College of Engineering	17.02.2013	17.02.2013
Member, Board of Studies in Applied Mathematics (UD)	Bharathiyar University, Coimbatore	01.01.2015	31.12.2017
Member of Selection Committee (Subject Expert) for faculty recruitment	Department of Mathematics, NIT, Warangal	17.07.2015	17.07.2015

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2009	Outstanding Achievement in Research	Who's Who in Science and Engineering, U. S. A
2007-2008	Best Teacher Award	NIT, Tiruchirappalli

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)
1982	Junior and Senior Research Fellowship	CSIR, India	1982	1986
1987	Post Doctoral Research Fellowship	Environmental Research Corporation, Tokyo, Japan	1987	1988

13. Details of Academic Work

(i) Curriculum Development: (a) Chairman, Creation of course structure and preparation of syllabus for M.Sc. in information Technology and Management; (b) Taken active part in preparing syllabi for first year Mathematics subjects-MA101 &MA102; (c) Prepared syllabus for MAIR35 Mathematics for Production Engineers; (d) Prepared syllabus for MAIR41 Numerical Method; (e) Prepared syllabus for MA605 Mathematical Methods and (f) Prepared syllabus for MAGL51 Integral Equations and Integral Transforms.

(ii) Courses taught at Postgraduate and Undergraduate levels: Artificial Intelligence, Variational Calculus, Integral Equations, Numerical Methods, Ordinary Differential Equations, Partial Differential Equations, Transforms and Series, Special Functions, Complex Variable, Statistics, Introduction to Heat and Mass Transfer, Differential Calculus, Integral Calculus, Theory of Equations, Boolean Algebra, Non-linear Programming, Probability and Statistics, Finite Element Method, Finite Difference Methods, Finite Volume Method.

(iii) Projects guided at Postgraduate level: Sixty nine Projects.

(iv) Other contribution(s): (a) International Program Committee Members in various International Conferences; (b) Editor, Regional Editor, Associate Editor and Editorial Board Member of several reputed International Journals.

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
Analysis of Forging Behavior of Powder Metallurgy alloys using FEM	University Grants Commission	2000	2003	Completed
Parallel Numerical Methods	Young Women Scientist Scheme (Department of Science and Technology, New Delhi, India)	1st July 2005	30th June 2008	Completed - **Mentor**
Decision Making from Incomplete Information	Young Women Scientist Scheme (Department of Science and Technology, New Delhi, India)	3rd August, 2011	2nd August 2014	Completed - **Mentor**

15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award
Dr. K. R. Subramanian	A Study of Theoretical investigations on Sheet Metal Forming and Upsetting of Powder Metallurgy performs	Supervisor	October 2003
Dr. P. Srinivasan	Some Investigations on Design, Manufacture and Testing of	Co-Supervisor	September 2004

	Various Extrusion Dies		
Dr. S. Raghuraman	Theoretical Prediction of Limiting Draw Ratio and Maximum Drawing Load for Cylindrical Cup Drawing Process	Co-Supervisor	February 2005
Dr. R. Venkatesan	Theoretical Study and Computer Aided Design on Metal Flow Analysis through Various Extrusion Dies	Co-Supervisor	January 2006
Dr. Michael Arock,	Design and Analysis of Parallel Algorithms on CREW PRAM and LARPBS Models	Supervisor	July, 2006
Dr. E. Kannan	Parallel Algorithms for Tree Based Problems and All-Pairs-Shortest-Length Problem	Supervisor	September, 2006
Dr. C. Saravanan	Analysis and Modeling of Gray Scale Image Compression	Supervisor	March, 2009
Dr. S. Senthilkumar	New Embedded Runge Kutta Fourth Order Algorithms for Raster and Time-Multiplexing Cellular Neural Network Simulation	Supervisor	August, 2009.
Dr. B. S. E. Zoraida	Realization of Boolean	Co-Supervisor	October, 2010

	Operations and Logistics Using DNA Strands		
Dr. K. Ponnammal	New Parallel Runge-Kutta and Rosenbrock Algorithms for Initial Value problems	Supervisor	April, 2012
Dr. R. Tamil Selvi,	Mathematical Models on Blood Flow Through Stenosed Arteries	Supervisor	February, 2013
Dr. D. Jeyasimman	Nano Composite Materials	Co-Supervisor	March, 2015
Ms. S. Priyadharshini	Numerical Investigation on Flow of Non-Newtonian Fluid in a Tube and its Implications to Blood Flow	Supervisor	Ongoing
Mrs. Padma	Unsteady Flow of Nanofluids through A Tapered Arterial Stenosis	Co - Supervisor	Ongoing

16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue
August, 29 to Sept	23rd International Manufacturing Conference	International	Paper presenter	University of Ulster, Belfast, Northern Ireland, U.K.	University of Ulster, Belfast, Northern Ireland, U.K.

ember, 01, 2006	"Innovations in Manufacturing",				
Jan 05-07, 2011	International Conference on Smart Technologies for Materials, Communication, Controls, Computing and Energy (ICST 2011)	International	Chair Person and Advisory Committee Member	VEL TECH Dr.RR & Dr.SR Technical University, Chennai, Tamil Nadu, India and Oklahoma State University, USA	VEL TECH Dr.RR & Dr.SR Technical University, Chennai, Tamil Nadu, India
Mar 29 & 30, 2011	National Conference on Non-linear Analysis and Mathematical Modelling(NAMM 2011)	National	Chair Person	School of Mathematics, Madurai Kamaraj University, Madurai, Tamil Nadu, India,	School of Mathematics, Madurai Kamaraj University, Madurai, Tamil Nadu, India
June 23-25, 2011	AICTE Sponsored National Conference on Current Researches on Fuzzy Logic and Its Applications,	National	Advisory Committee Member	M.A.M. College of Engineering, Tiruchirappalli, Tamil Nadu	M.A.M. College of Engineering, Tiruchirappalli, Tamil Nadu, India
Dec 29-31, 2011	2nd Europian-SIAM Conference for the Applied Mathematics and Informatics	International	Paper Presenter and Chair person	Montreux, Switzerland	Montreux, Switzerland
Jan 5-7, 2012.	Heber International Conference on Applications of Mathematics and Statistics(HICAMS),	International	Paper Presenter	Bishop Heber College, Tiruchirappalli, Tamil Nadu, India	Bishop Heber College, Tiruchirappalli, Tamil Nadu, India

Feb 15, 2012	"Development of Numerical Algorithm for Solving Ordinary Differential Equations",Emerging Research in Applied Mathematics(ERAM)	National	Resource Person & Speaker	National Engineering College, Kovilpatti, Tamil Nadu, India	National Engineering College, Kovilpatti, Tamil Nadu, India
July 22-25, 2013	The 2013 International Conference on Scientific Computing (CSC 2013), WORLDCOMP'13	Internatio nal	Paper Presenter	Las Vegas Nevada, USA	Las Vegas Nevada, USA

17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
Three Days workshop on SOFT COMPUTING	National	15-17, Nov 2007	Principal Coordinator	National Institute of Technology, Tiruchirappalli
Two-Day workshop on Trends in BIOINFORMATICS	National	01-02, Feb, 2008	Principal Coordinator	National Institute of Technology, Tiruchirappalli
National Conference on Frontiers in APPLIED SCIENCES AND COMPUTER TECHNOLOGY (FACT'12),	National	06-07, December, 2012	Chairman	National Institute of Technology, Tiruchirappalli
2nd National Conference on Frontiers in APPLIED SCIENCES AND COMPUTER	National	23-24, May, 2013	Convener	National Institute of Technology, Tiruchirappalli

TECHNOLOGY (FACT'13),				
National Conference on ANALYSIS AND APPLIED MATHEMATICS (NCAAM 2014)	National	27-28, November, 2014.	Chairman	National Institute of Technology, Tiruchirappalli
National Conference on Frontiers in APPLIED SCIENCES AND COMPUTER TECHNOLOGY (FACT'15),	National	06-07, March, 2015	Convener	National Institute of Technology, Tiruchirappalli
National Conference on Frontiers in APPLIED SCIENCES AND COMPUTER TECHNOLOGY (FACT'16),	National	18-19, March, 2016	Chairman	National Institute of Technology, Tiruchirappalli

18. Invited Talks delivered

Topic	Date	Inviting Organization
Bio-Fluid Mechanics of Heart Disease	August,1991	Seethalakshmi Ramaswami College, Tirucirappalli, India
Basic Finite Element Method	October, 1992	Department of Metallurgical Engineering, R.E.C., Tiruchirappalli, India
Applications of Finite Element Method in Engineering Problems	July 2, 2004	Periyar Maniammai Engineering College for Women, Tanjore, Tamilnadu, India
A Study on Two-Layered Model(Casson-Newtonian) for Blood Flow Through an Arterial Stenosis : Axially Variable Slip Velocity at the Wall	March 29 & 30, 2011	Madurai Kamaraj University, Madurai, Tamilnadu, India

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date

Life Member	Indian Society of Theoretical and Applied Mechanics	L/117, 1989
Life Member	Indian Society of Technical Education	LM 40150, 2004
Life Member	Indian Science Congress Association	L17534, 2011

20. Academic Foreign Visits

Country	Duration of Visit	Programme
Japan	1987-1988	Post-Doctoral Research
Northern Ireland	29th August – 1st September, 2006	23rd International Manufacturing Conference "Innovations in Manufacturing",
Switzerland	December 29-31, 2011.	2nd Europian-SIAM Conference for the Applied Mathematics and Informatics
USA	July 22-25, 2013	The 2013 International Conference on Scientific Computing (CSC 2013), WORLD COMP'13

21. Publications (Total published papers: ***166***)

(A) Refereed Research Journals: *Recent Published Research Articles*

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year
R. Ponalagusamy and R. Tamil Selvi	A Study on Two-Layered Model (Casson-Newtonian) for Blood Flow Through an Arterial Stenosis: Axially Variable Slip Velocity at the Wall	Journal of The Franklin Institute	**348**	2308-2321	2011
R. Ponalagusamy and R. Tamil Selvi	Blood Flow Through an Arterial Stenosis:New	International Journal of Bio-Science	**3**	27-38	2011

	Formula for Computing Peripheral Plasma Layer Thickness	and Bio-Technology			
R.Ponalagusamy, P.J.A.Alphonse and M.Chandru	Development of new Fifth-Order Fifth- Stage Runge Kutta Method based on Heronian Mean	International Journal of Engineering Science, Advanced Computing and Bio-Technology	**2**	162-197	2011
R.Ponalagusamy, R.Narayanasamy and K.R.Subramania n	Sheet Metals Forming Limit Stress and Strain Prediction based on new generalized yield criterion	International Journal of Computation al Materials Science and Surface Engineering	**4**	311-325	2011
R.Ponalagusamy and S.Senthilkumar	Investigation on Time-Multiplexing Cellular Neural Network Simulation by RKAHeM(4,4) Technique	International Journal of Advanced Intelligence Paradigms	**3**	43-66	2011
R.Ponalagusamy, R.Tamil Selvi and A.K.Banerjee	Mathematical Model of Pulsatile Flow of Non-Newtonian Fluid in Tubes of Varying Cross-Sections and Its Implications to Blood Flow	Journal of The Franklin Institute	**349**	1681-1698	2012
R. Ponalagusamy	Mathematical Analysis on Effect of Non-Newtonian Behaviour of Blood on Optimal Geometry of Microvascular Bifurcation System	Journal of The Franklin Institute	**349**	2861-2874	2012

R.Ponalagusamy and K.Ponnammal	Local Truncation Error for the Parallel Runge-Kutta Fifth Order Methods	Information Technology Journal	**11**	1141-1153	2012
R.Ponalagusamy, E.Kannan and Michael Arock	Formation of Machine Cells in Cellular Manufacturing System Using Linear Array with a Reconfigurable Pipelined Bus System	International Journal of Mathematics and Engineering with Computers	**3**	17-27	2012
Geetha Sivaraman, V. Lakshmana Gomathi Nayagam and R. Ponalagusamy	Intuitionist Fuzzy Interval Information System	International Journal of Computer Theory and Engineering	**4**	459-461	2012
R. Ponalagusamy and R.Tamil Selvi	Blood Flow in Stenosed Arteries with Radially Variable Viscosity, Peripheral Layer Thickness and Magnetic Field	Meccanica,	**48**	2427-2438	2013
R. Ponalagusamy and R. Tamil Selvi	Brief Communications: Two-layered Model (Casson-Newtonian) for Blood Flow Through an Arterial Stenosis with Axially Variable Slip Velocity at the Wall	International Journal of Engineering Science, Advanced Computing and Bio-Technology	**4**	71-74	2013
K. Velmanirajan, K. Anuradha, A. Syed Abu Thaheer, R. Ponalagusamy and R.Narayanasamy	Statistical Evaluation of Forming Limit Diagram for Annealed Al 1350 Alloy Sheets Using First Order Reliability Method	Applied Mathemati-cal Modelling	**38**	145-167	2014

D. Jeyasimman, R. Narayanasamy, R. Ponalagusamy, V. Anandakrishnan and M. Kamaraj	The Effects of Various Reinforcements on Dry Sliding Wear Behaviour of AA 6061 Nanocomposites	Materials & Design	**64**	783-793	2014
Geetha Sivaraman, V. Lakshmana Gomathi Nayagam and R. Ponalagusamy	A Complete Ranking Of Incomplete Interval Information	Expert Systems with Applications	**41**	1947-1954	2014
R. Ponalagusamy and R. Tamil Selvi	Influence of Magnetic Field and Heat Transfer on Two-Phase Fluid Model for Oscillatory Blood Flow in an Arterial Stenosis	Meccanica	**50**	927-943	2015
S. Priyadharshini and R.Ponalagusamy	Biorheological model on Flow of Herschel-Bulkley Fluid Through a Tapered Arterial Stenosis with Dilatation	Applied Bionics and Biomecha-nics	**2015**	1-15	2015
D. Jeyasimman, K. Sivaprasad, S. Sivasankaran, R. Ponalagusamy, R. Narayanasamy and Vijayakumar Iyer	Microstructural Observation, Consolidation and Mechanical Behaviour of AA 6061 Nanocomposites Reinforced by γ-AI_2O_3 Nanoparticles	Advanced Powder Technology	**26**	139-148	2015
D. Jeyasimman, R. Narayanasamy and R. Ponalagusamy	Role of Hybrid Reinforcement on Microstructural Observation, Characterization and Consolidation Behavior of AA	Advanced Powder Technology	**26**	1171-1182	2015

	6061 Nanocomposite				
R. Ponalagusamy and K. Ponnammal	A Parallel Fourth Order Rosenbrock Method: Construction, Analysis and Numerical Comparison	International Journal of Applied Computatio-nal Mathematics	**1**	45-68	2015
R. Ponalagusamy	Suspension model for blood flow through a catheterized arterial stenosis with peripheral layer of plasma free from cells	The European Physical Journal-Plus	**131**	185(1-17)	2016
R. Ponalagusamy	Particulate Suspension Jeffrey Fluid flow in a Stenosed artery with a Particle-free Plasma Layer near the Wall	Korea-Australia Rheology Journal	**28**	217-227	2016
R. Ponalagusamy and S. Priyadharshini	Numerical Investigation on Two fluid model (Micropolar-Newtonian) for Pulsatile flow of blood in a Tapered Arterial Stenosis with radially variable Magnetic field and Core fluid viscosity	Computation al and Applied Mathematics			2016 (onli ne)
R. Ponalagusamy	Two-Fluid Model for Blood Flow through a Tapered Arterial Stenosis: Effect of Non-zero Couple Stress Boundary Condition at the Interface	Int. J. Appl. Comput. Math.			2016 (onli ne)

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
P. Chaturani and R.Ponnalagarsamy	A Two Layered Model for Blood Flow Through Stenosed Arteries	Proc. 11th National Conference on Fluid Mechanics and Fluid Power	16-22	Fluid Mechanics	BHEL, Hyderabad, India	1982
P.Chaturani and R.Ponnalagarsamy	Blood Flow Through Stenosed Arteries	Proc. of First International Conference on Physiological Fluid Dynamics	63-67	Physiological Fluid Dynamics	Indian Institute of Technology Madras, India	1983
P.Chaturani and R.Ponnalagarsamy	Analysis of Pulsatile Blood Flow Through Stenosed Arteries and Its Applications to Cardiovascular Diseases	Proc. 13th National Conference on Fluid Mechanics and Fluid Power	463-468	Fluid Mechanics	Regional Engineering College, Tiruchi-rappalli, India	1984
P.Chaturani and R.Ponnalagarsamy	Dilatancy Effects of Blood on Flow Through Arterial Stenosis	Proc. of 28th Congress of ISTAM	87-96	Fluid Mechanics and Solid Mechanics	Andhra University, Visakha-patnam, India	1986
R. Ponnalagarsamy and M.Kawahara	A finite Element Analysis of Laminar Unsteady Flows of Viscoelastic	Proc. Of International Conference on Computational	288-295	Finite Element Techniques	Okayama University of Science, Japan	1988

	Fluids Through Planar Abrupt Expansions/ Contractions	Methods in Flow Analysis				
R.Ponnalagarsamy	Bio-Fluid Mechanics of Heart Diseases	Proc. of Three Day Seminar on Applications of Mathematics in various Disciplines	60-68	Applications of Mathematics in various Applications	Seethalakshmi Ramaswami College, India	1991
R.Ponalagusamy	A non-Newtonian model for pulsatile flow of Blood Through an Artery with mild stenosis	Proc. Int. Conf. on Mathematical modeling	6	Mathematical modeling	University of Roorkee, India	2001
R.Ponalagusamy and K.Ponnammal	New Generalized Plasticity Equation for Compressible Powder Metallurgy Materials: A New Parallel RK-Butcher Method	Porc. of 23rd International Manufacturing Conference "Innovations in Manufacturing	299-304	Innovations in Manufacturing	University of Ulster, Belfast, Northern Ireland, U.K.	2006
R.Ponalagusamy and C.Saravanan	Medical Image Compression using Bi-orthogonal Wavelets and Artihmetic Coding	Proc. of International Conference on Mathematics and Computer Science,[ICMCS]	460-463	Mathematics and Computer Science	Loyola College, Chennai-600 034, India	2007
R.Ponalagusamy and S.Senthilkumar	Parallel Numerical Integration	Proc.of International	358-363	Informa-tion and Commu-	Dehradun Institute of Technology	2007

	Algorithm for Time-Multiplexing CNN Simulation	Conference on Information and Communicaion Technology(IICT-07)		nicaion Technology	Uttaranchal, Dehradun, India	
B.S.E.Zoraida, Michael Arock, B.S.M.Ronald and R.Ponalagusamy	A Novel Generalized Model for Constructing Reusable and Reliable Logic gates using DNA	Proc. of Fourth International Conference on Natural Computation, IEEE Press	353-357	Natural Computation	IEEE Computer Society, Jinan, Shandong, China	2008
R.Ponalagusamy R.Tamil Selvi and A.K.Banerjee	Flow of Non-Newtonian Fluid Through Model Vascular Stenosis	Proc. 53rd Congress of Indian Society of Theoretical and Applied Mechanics [ISTAM-2008], An International Meet	198-205	Fluid Mechanics and Solid Mechanics	Osmania University, Hyderabad, India	2008
R.Ponalagusamy, P.J.A.Alphonse and M.Chandru	Numerical Methods on Ordinary Differential Equation	Proc. of the International Conference on Emerging Trends in Mathematics and Computer Applications	188-191	Emerging Trends in Mathematics and Computer Applications	MEPCO Schienk Engineering College, Tamil Nadu, India	2010
R.Ponalagusamy, P.J.A.Alphonse and M.Chandru	New Algorithm of Fifth-Order Heronian Mean Runge-Kutta Method	Proc. of the 2nd Europian-SIAM Conference for the	67-72	Applied Mathematics and Informatics	Montreux, Switzerland	2011

		Applied Mathematics and Informatics				
A. K. Banerjee, R. Ponalagusamy and R. Tamil Selvi	Flow of a Micro polar Fluid Through a Stenosed Artery with Radially Variable Viscosity	Proc. of The 2013 International Conference on Scientific Computing (CSC 2013), WORLD COMP'13	79-84	Scientific Computing	Las Vegas Nevada, USA	2013
Geetha Sivaraman, V. Lakshmana Gomathi Nayagam and R. Ponalagusamy	Multi-Criteria Interval Valued Intuitionistic Fuzzy Decision Making Using A New Score Function	Proc. of Knowledge and Information Management Conference (KIM2013)	122-131	Knowledge and Information Management	Meriden, CV7 7HR, U.K.	2013
R. Ponalagusamy	Pulsatile Flow of Hershel-Bulkley Fluid in Tapered Blood Vessels	Proc. of The 2013 International Conference on Scientific Computing WORLD COMP'13	67-73	Scientific Computing	Las Vegas Nevada, USA	2013

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number
Dr. R. Narayanasamy and Dr. R. Ponalagusamy	Theory of Engineering Plasticity	Ahuja Book Company, New Delhi, India	2000.	ISBN: 8176190039

Michael Arock and R.Ponalagusamy	"A Constant-time Selection Algorithm on An LARPBS", Advances in Computer Science and Engineering: Reports and Monographs	Imperial College Press, U.K	2007	ISSN: 1793-2416, ISBN: 978-1-86094-827-5
R. Ponalagusamy and C.Saravanan	"Analysis of Medical Images using Statistical Methods", Advances in Computer Science and Engineering: Reports and Monographs,	Imperial College Press, U.K.	2007	ISSN: 1793-2416, ISBN: 978-1-86094-827-5
C. Saravanan and R. Ponalagusamy	Analysis of Image Compression using Arithmetic Coding, NCRTCM	Narosa Publishers, India	2005	ISBN 81-7319-619-2
R. Ponalagusamy	Chapter-3 "Biological Study on Pulsatile Flow of Herschel-Bulkley Fluid in Tapered Blood Vessels", in: Quocnam Tam Hamid Arbnia (Eds.), Emerging Trends in Computational Biology, Bioinformatics, and Systems Biology-Algorithms and Software Tools	Elsevier Publishers, Boston, USA	2015	(ISBN: 978-0-12-802508-6),