

# Curriculum Vitae



**PROF. (Dr.) RITA CHOUDHURY**  
**DEPT.OF MATHEMATICS,**  
**THE ASSAM ROYAL GLOBAL UNIVERSITY,**  
**GUWAHATI-781014,**  
**Assam, India**  
**Mobile No.: 94352-81139**  
**Email: [rchoudhury1@rgu.ac](mailto:rchoudhury1@rgu.ac)**

---

## **1. PERSONAL INFORMATION**

<b>Name</b>	<b>:</b>	<b>Prof. (Dr.) Rita Choudhury</b>
<b>Date of Birth and Place</b>	<b>:</b>	<b>Nov 01, 1956, Digboi, Assam</b>
<b>Father's Name</b>	<b>:</b>	<b>Late Gunendra Kumar Choudhury</b>
<b>Nationality</b>	<b>:</b>	<b>Indian</b>
<b>Educational qualification</b>	<b>:</b>	<b>a) M.Sc (Gold Medalist) 1978, Dibrugarh University, Assam</b>  <b>b) Ph.D (1984) Dibrugarh University [ Supervisor Prof. M.S. Saroa (retd.) Department of Mathematics, Dibrugarh University, Assam]</b>

## 2. Fellowship/Awards:

- Scholarship in the Middle School Examination (1968-1972) securing 2<sup>nd</sup> position in Tinsukia sub-division, Assam.
- National Merit Scholarship in the H.S.L.C Examination under SEBA (serial no. in merit list 110 with serial no of the Entitlement card issued by the Govt. of India was 586), (1972-1976).
- Merit Scholarship for securing 1<sup>st</sup> class, 1<sup>st</sup> position in M.Sc previous Examination in Dibrugarh University. (1977-1978)
- Awarded **Parsuram Dutta Gold Medal** by the Dibrugarh University for obtaining 1<sup>st</sup> class 1<sup>st</sup> position in M.Sc Final Examination. (1978)
- **Best Post Graduate for the year 1978** in Dibrugarh University, Assam, (1978)
- Awarded **Junior Research Fellowship** (UGC) under Dibrugarh University Scheme, (1979-81)
- Awarded **Senior Research Fellowship** (UGC) under Dibrugarh University Scheme.(1981-83)
- Selected by the State Selection Board of Assam as lecturer for appointment in different aided colleges as lecturer by order of the Governor of Assam (notification, dated Dispur, July, 1984).
- Lifetime Achievement Award in Mathematics Education by Assam Academy of Mathematics in 2023.

## 3. Academic Experience (Teaching and Research)

Name of College/University	Department	Position	Period
Lumding College, Lumding, Assam	Mathematics	Lecturer	03-01-79 to 25-10-79
Maths. Dept., Dibrugarh University	Mathematics	UGC Research Fellowship (under DU scheme)	1979-1981 (JRF) 1981-1983 (SRF)
Maths. Dept., Digboi College	Mathematics	Lecturer	26-08-1983 to 31-01-1986
Maths. Dept., Gauhati University	Mathematics	Lecturer	01-02-1986 to 30-04-1995
Maths. Dept., Gauhati University	Mathematics	Reader	01-05-1995 to 09-08-2005
Maths. Dept., Gauhati University	Mathematics	Professor	10-08-2005 to 31-11-2021
Maths. Dept., The Assam Royal Global University	Mathematics	Professor	24-08-2022 onwards

- Teaching Experience : UG classes – 3<sup>+</sup> years  
PG classes – 37<sup>+</sup> years
- Research Experience : 40 years
- Specialization : Applied Mathematics  
(Fluid Dynamics, Non-Newtonian Fluid Flow Mechanics,  
Bio-Mathematics, Mathematics Education)

#### 4. Supervision of Ph.D/M.phil Scholars:

- Research Supervision : Ph.D Awarded----- 18  
Submitted ---01  
Registered (final)---01  
M. Phil Awarded --- 07

Sl. No.	Name of research scholars already awarded Ph.D degree	Year of completion of Ph.D	Topic of Research	Placement
1	Alok Das	2001	Some flow problems in non-Newtonian fluids.	Former HOD and Associate Prof., Mathematics Department, J.N College, Boko, Assam.
2	Arun Kumar Paul	2003	Studies on hydrodynamic and hydro magnetic lubrication with special reference to fluids with suspension.	Lecturer, Nigamananda Siksha Govt. Sponsored PTTL, Cooch Behar, west Bengal
3	Late. Manamoti Kalita	2004	Mathematical modeling and pollution ecology Tunia river bangaigaon, Assam.	Former HOD, and Associate Prof., Mathematics Department, Abhayapury College, Assam.
4	Hemendra Sarma	2005	Theoretical studies on the flow of visco-elastic fluid.	Former Registrar, Kumar Bhaskar Barma University, Nalbari, Assam. & Associate Prof., Mathematics Department, Rangia College, Kamrup, Assam
5	Hridi Ranjan Deb	2012	Studies of some flow problems in elastic-viscous fluids with emphasis on thermal effects.	Science Teacher, Silchar Collegiate School, Silchar, Assam.

6	Debasish Dey	2012	Studies of some problems in elastic-viscous fluids.	Associate Prof., Mathematics Department, Dibrugarh University, Assam.
7	Utpal Jyoti Das	2012	Certain flow and heat transfer problems of visco-elastic fluids.	Associate Prof., Mathematics Department, Gauhati University, Assam
8	Kamal Debnath	2012	Flow behavior of visco-elastic fluids- some typical cases and their analysis.	Associate Prof. and Head, Mathematics Department, Royal Global University, Guwahati, Assam.
9	Madhumita Mahanta	2012	Studies on the non-Newtonian fluid flows.	Associate Prof. and Head, Mathematics Department, Girijananda University, Guwahati, Assam
10	Sajal Kumar Das	2013	Some aspects of visco-elastic fluid flow problems.	Associate Prof. and Head, Mathematics Department, Bhattdev University, Bajali, Assam.
11	Paban Dhar	2014	Studies of some flow problems with emphasis on visco-elastic effects.	Asst Prof. and Head, Mathematics Department, Karimganj College, Silchar, Assam.
12	Saswati Purkayastha	2015	Some flow problem in non-Newtonian fluid with special reference to Walters liquid (model B).	Asst Prof., Mathematics Department, Rangapara College, Sonitpur, Assam.
13	Hillol Kanti Bhattacharjee	2015	Studies of some flow problems related to Elastico-viscous fluids	Asst Prof. Nerim group of institution, Guwahati, Assam.
14	Bandita Das	2017	Flow behavior of some momentum and heat transfer problems in visco-elastic fluids.	Asst Prof., Mathematics Department, Gauhati College, Guwahati, Assam
15	Bibhash Deka	2018	Certain aspects of visco-elastic fluid flow problems with heat and mass transfer.	Asst Prof., Mathematics Department, Nowgong Girls' College, Nagaon, Assam
16	Bamdeb Dey	2018	Analytical studies of some flow problems with emphasis on visco-elasticity.	Asst Prof. and Head, Mathematics Department, Don Bosco University (Azara), Guwahati, Assam
17	Bhriku Kumar Kalita	2023	Exploration of a MHD viscous fluid flow problems with heat transfer characteristics.	Asst Prof., Mathematics Department, Jagiroad College, Assam

18	Seshanoj Sarkar	2023	Performance of secondary school students in Mathematics in relation to some select variables: A study in Kamrup district of Assam	Principal, Kendriya Vidyalaya Sangathan, Assam
19	Bhaskarjyoti Deka	Submitted	Fluid Dynamics	Research Scholar
20	Ashik Hussain Mirza	pursuing	Fluid Dynamics	Asst Prof., Mathematics Department, DR College, Golaghat, Assam

Sl No.	Name & Year of M.Phil Degree	Topic of Dissertation
1	Munindra Barman (1988)	Flow problems in non-Newtonian fluids, Gauhati University, Assam.
2	Phurailatpam Binasakhi Devi (1989)	Flow problems in Second-order fluids, Gauhati University, Assam.
3	Bankim Das (1991)	Some flow problems in non-Newtonian fluids, Gauhati University, Assam.
4	Ayesha Sultana Chowdhury (2009)	Studies on the flow of non-Newtonian fluids, Periar Institute of distance Education, Periar University, Salem.
5	Kamalesh Kumar Pandit (2009)	Flow problems in non-Newtonian fluid flows, Gauhati University, Assam.
6	Pallab Jyoti Konwar (2010)	A Study of some problem with visco-elastic effects, Gauhati University, Assam.
7	Saswati Purkayastha (2011)	Elastico-viscous Effects on some Boundary Layer flow problems, Gauhati University, Assam.

## 5. Research Project as Principal Investigator

- Research Project entitled “some flow problems in Non-Newtonian Fluids”.UGC, North eastern Regional office, Guwahati-6, 1999-2000 (Letter no: F.5.82/92), (Co-investigator-Dr.Alok Das).
- Reaearch Project entitled “Theoretical studies on the flow of visco -elastic non – Newtonian fluid, UGC, North eastern regional office, Guwahati-6, 2001-2002 (Letter no: F.5.9/2001-02), (Co-investigator-Dr. Hemendra Sarma).
- UGC-Major research project “Mathematical Modeling in MHD visco-elastic fluid with emphasis on heat and mass transfer” for 2015-2018 (Settled vide Diary No. 49429 dated 13-12-2018) with sanctioned amount of Rs. 15.45 Lakhs.

## **6. Life Member of Academic Bodies/Societies**

- Indian Science Congress.
- Assam Academy of mathematics.
- Assam Science Society.
- Indian Society of Theoretical and Applied Mathematics.
- Indian Mathematical Society.
- Indian Journal of Theoretical Physics.
- Association of Mathematics Teachers of India.
- Tripura Mathematical Society.
- Vijnana Bharati.

## **7. Member of Editorial Board:**

- Chief Editor, Journal of Assam Academy of Mathematics, 2016-2022.
- Chief Editor, Bulletin of Gauhati University Mathematics Association, 2012-2021.
- Editor, Bulletin of Gauhati University Mathematics Association, 2004 – 2011.
- Member, Editorial board of the Indian Journal of Theoretical Physics, 2018 onwards.
- Member, Editorial board of Journal of Assam Science Society, 2016.
- Member, Editorial board of Journal of Assam Academy of Mathematics, 2008-2015.
- Member, Indian Journal of Theoretical Physics, 2015-2018.

## **8. Administrative Experiences:**

- Warden, Gauhati University (G.U) Girls Hostel 1 and 2 (1989-94).
- Officer in charge, MA/M.Sc/M.Com Exam, Institute of Distance and Open learning (IDOL), G.U. 2001.
- Officer in charge, MA/ M.Sc / M Com/PGDSMM/HRM/BM/PGDCA Exam, IDOL G.U., 2005.
- Officer in charge in MA/M.Sc exam, Mathematics Deptt. G.U. (2011-2014).
- Coordinator “Excursion in Mathematics” for school teachers and students (Sponsored by NBHM), Assam Academy of Mathematics (2011).
- Coordinator, Refresher Course in UGC Academic Staff College, G.U. (2011).
- Chairperson of the workshop entitled “Review and Reformulation of Undergraduate Mathematics Syllabus”, G.U. (2012).
- Head, Department of Mathematics, G.U. (Nov.2011-Nov. 2014).
- Zonal Officer BA/B.Sc Part II/III Zone, G.U. (2012).
- Zonal Officer MA/M.Sc IDOL G.U. Zone, (2014-16).
- Planning committee member of the Assam University, Silchar as nominee of President of India for 2016-19.
- Member of Central Admission committee G.U., 2015-2018.
- Vice-President, Assam Academy of Mathematics, 2016-2022.
- Vice-President, Vision Sunrise NGO, Guwahati, Assam, 2017 onwards.
- Vice-President, Purvottar Institute for Persons of Disabilities (affiliated under Gauhati University), Guwahati, Assam, 2017 onwards.
- Members of Board of Management Committee of K. K. Handique State Open University, nominated by Governor of Assam, 2023 (for 3 years).

## 9. Member of Academic Bodies/Societies: -

- Member Advisory Committee, Model School (English Medium), G.U. 2014-17.
- External member, Board of Studies, Dibrugarh University, Dibrugarh, Assam. (2009-2014)
- External Member, Board of studies, Assam University, Silchar, Assam. (2009-2013).
- Member, Executive Council, Gauhati University (2014).
- Member, Academic Council, Gauhati University (2005-2021).
- Member, Faculty of Science, G.U. (2011- 2014).
- Member, Advisory Committee, DRS (SAP) Maths Dept, G.U. (2011-2014).
- Executive Member NERCOM (North East Regional Conference on Mathematics), (2007).
- Executive Member, Scientific Committee for Regional Seminar on recent development on Mathematics and allied subjects. (1997), GU.
- Executive Member, Gauhati University Mathematics Association, (2004-2021).
- Executive Member, Gauhati University Teachers Association (GUTA), (1986- 87).
- Member, GUTA. (1986-2021).
- Executive member of organizing committee of National Conference on Advances in Mathematics, Maths Dept. G.U. (1986).
- Executive member of organizing committee of National Conference on Recent trends in mathematics and its Applications (NCRTMA). (2008).
- Executive member of organizing committee of National Conference on Frontiers in Mathematics, Maths Dept., G.U. (2009).
- Member, Advisory Committee, “National Conference of Basic Sciences towards the development of Engineering and Technology” Don Bosco College of Engineering and technology, Assam Don Bosco University. (2011).
- Member, National Advisory committee of the National Conference on Pure and Applied Mathematics, Royal School of Engineering and Technology, Guwahati, 2013.
- Member of Advisory committee in the international conference of Frontiers in Mathematics, organized by Dept. of Mathematics, G.U., Assam, during March 26-28, 2015.
- Convener of the 1<sup>st</sup> Dr. Bhupati Chandra Deka memorial lecture organized by dept. of Mathematics, G.U. on 28 Feb, 2017.

- National Advisory committee member in the International Conference on Emerging Technologies in data mining and information security organised by School of Information Technology, Kolkata, during Feb 23-25, 2018.
- External Member, Board of Studies, UG Course, Assam University, (2019-2021).
- External Member, Board of Studies, Don Bosco University, 2021.
- Academic Advisor of Purvottar Institute for Persons of Disabilities (2017 onwards).
- Selection Committee member of Gauhati University, Dibrugarh University, Rajib Gandhi University, Bodoland University, Manipur University, NIT Meghalaya, NIT Manipur.

## **10. Participation in the (National/International) Conferences /Seminar/ Workshop/Symposium/Short term Course/ Refresher course).**

- Participated in the Symposium on “Numerical Analysis of Differential Equations” held in Dibrugarh University during 24-08-81 to 29-08-81 (sponsored by UGC, Delhi).
- Participated in “Short term course in Algebra, Logic and Numerical Analysis held in Dibrugarh University during 11-07-85 to 31-07-85 (sponsored by UGC, Delhi).
- Participated in the UNESCO Sponsored Regional Training Programme on “Contemporary Development in Applicable Mathematics” organized by Calcutta University during 29-01-87 to 01-02-87.
- Participated as **Resource Person** in the Summer Institute held at the Department of Mathematics in the Assam Engineering College, Guwahati in July 2-16, 1989 (sponsored by all India society for technical Education on “Mathematical Modeling on Bio-Science”)
- Participated and presented the paper in the 38<sup>th</sup> Congress of Indian society of Theoretical and applied Mechanics, held at IIT, Kharagapur during Dec 9-12, 1993.
- Participated in the “Advanced level Summer Institute in Applied mathematics” in the Dept. of Mathematics, Dibrugarh University during 07-04-94 to 04-07-94, (Sponsored by UGC under COSIST).
- Participated as a **Resource Course** in Mathematics under UGC Academic Staff College G.U during 13.03.95 to 02.04.95.
- Participated as a **Resource person** in the Refresher course in Mathematics (organized by UGC Academic Staff College during 17.02.97 to 09.03.97).



- Participated in the “North-East Regional Conference on mathematics” held in Gauhati University during April 25.06.1997 organised by AAM.
- Participated as a **Resource person** in the Refresher course in Mathematics, organized by UGC Staff College, GU during 17.11.98 to 07.12.98.
- Participated at the 86<sup>th</sup> **Indian Science congress Association** held in Anna University, Chennai during 03.01.99 to 07.01.99
- Participated as a **Resource person** in the Refresher course in Mathematics, organized by UGC, Academic Staff College, GU during 03.12.01 to 23.12.01.
- Participated as a **Resource person** in UGC Refresher course conducted by Assam University, Silchar during 14.11.02 to 04.12.02.
- Participated and presented paper in the 4<sup>th</sup> annual congress of the Indian society of Theoretical and Applied Mechanics (an international meet) **IITG**, Guwahati, during Dec. 23-26, 2002.
- Participated as a **Resource person** in the Refresher course in Mathematics, organized by UGC, Academic Staff College, GU during 23.12.02 to 12.01.03.
- Delivered an **invited talk** on “Visco elastic fluids” in Pragjyotish College, Guwahati on 14.11.2003.
- Participated in the 49<sup>th</sup> Annual Technical Session, Assam Science society, Gauhati, organised in collaboration with Regional Research Laboratory, Jorhat on Jan 11, 2004.
- Participated and presented paper in the 50<sup>th</sup> Annual Technical Session and National conference on Current trends of Research in Science and Technology, Assam Science Society organized by G.U during Jan 28-29,2005.
- Participated in the National Conference on “Advances in Mathematics” organized by Dept of Maths, GU during Sept 4.7.2008.
- Participated in Prof V.D Thawani Birth Centenary National Conference on Recent Trends in Mathematics and its Application (NCRTMA-9) Organised by Assam Science Society and Dept of Mathematics, G.U during Sep.12-13,2009.
- Participated in the **International Congress of Mathematicians** (ICM-2010) held in Hyderabad, India, during Aug 19-27, 2010.
- Participated as a **Resource person** in UGC Refresher course conducted by NEHU, Shillong during 22.03.12 to 11.04.12.
- **Chair Person**, Symposium on the occasion of National Mathematics year at Dept. of Mathematical Science, IST, G.U. on 22 Sept, 2012.
- Organized a workshop entitled “Review and reformation of undergraduate Mathematics syllabus of Gauhati University” as a **chair Person** and also delivered a key note address Dept. of Mathematics, G.U. April, 2012.

- **Chair Person** in the International Conference on Recent Advances in Mathematical Statistics and its Applications in Applied Sciences, Organized by Dept. of Statistics, G.U., during Dec. 31, 2012, January 1-2, 2013.
- Participated as a **Resource person** in UGC Refresher course conducted by NEHU, Shillong during 18.03.13 to 07.04.13.
- Participated as a **Resource person** in UGC Refresher course conducted by Mizoram University during 19.03.13 to 08.04.13.
- Participated as a **Resource person** in UGC Refresher course conducted by Manipur University during 05.03.13 to 25.03.13.
- Participated as a **Resource person** in UGC Refresher course conducted by Gauhati University during 04.03.13 to 24.03.13
- Participated in the 100<sup>th</sup> **Indian Science Congress** held at Calcutta University, Kolkata, during Jan 3-7, 2013.
- **Invited speaker and Chairperson** in National seminar on Frontiers in Science and Technology, Organized by Assam Science Society, during March 8-9, 2013.
- **Invited Speaker** in the 4<sup>th</sup> Prof. K. Rajendra Singh memorial lecture in the dept. of Mathematics, Manipur University with Manipur Mathematical society, Imphal, during March 15-18, 2013.
- **Chairperson** in the National Conference on pure and applied Mathematics, Dept. of Mathematics, Royal School of Engineering and Technology, Guwahati, during May 9-10, 2013.
- **Invited Speaker and chairperson** in the 58<sup>th</sup> Congress of the Indian Society of Theoretical and Applied Mechanics, Dept. of Aerospace engineering and applied Mechanics, Bengal Engineering and Science University, Shibpur, during Dec 18- 21, 2013.
- Participated as Guest of Honour in the Workshop on “Motivation-Generation among students of middle and secondary level towards Mathematics” organised by Dept. of Mathematics, Pub Kamrup College, Bihata Chariali, Assam, during Jan 28-Feb 03, 2014.
- **Chairperson** in the International conference of Frontiers in Mathematics, organised by Dept. of Mathematics, G.U., Assam, during March 26-28, 2015.

- **Chairperson** in the National seminar on Science and Technology for sustainable development (61<sup>st</sup> annual technical session of Assam Science Society) organised by Assam Science Society, Goalpara branch in collaboration with Goalpara College, on 23<sup>rd</sup> Jan, 2016.
- Participated as core member in the publishing connect workshop conducted by Elsevier in association with Gauhati University, Guwahati, Assam on 5<sup>th</sup> March, 2016.
- **Invited speaker and chairperson** in National Seminar organized by Department of Pure Mathematics, University of Calcutta during Feb 24-25, 2016.
- **Invited speaker** in a Seminar organized by Department of Mathematics, Prajyotish College, Guwahati during 7<sup>th</sup> November, 2016.
- **Convenor** of the National Conference on “Advances in Mathematical Sciences” organised by dept. of Mathematics, G.U., Guwahati, during Dec 22-23, 2016.
- **Invited Speaker** in the seminar organised by dept. of Mathematics University of Science and Technology, Meghalaya on 7<sup>th</sup> September, 2017.
- Participated in the National symposium on “Tradition and Socio-Cultural Ethos of North-East India”, organised by Intellectual Forum of North-East during Feb 10-11, 2018.
- **Invited Speaker and Chairperson** in the International Conference on Emerging Technologies in data mining and information security organised by School of Information Technology, Kolkata, during Feb 23-25, 2018.
- **Invited Speaker and Chairperson** in **105<sup>th</sup> Indian Science Congress** (Mathematical Division) in Manipur University, Imphal, during March 16-20, 2018.
- **Invited Speaker and Chairperson** in the International Conference on “Recent Trends in Mathematical sciences” organised by dept. of applied Mathematics, MBBU, Agartala and Tripura Mathematical Society, during March 24-25, 2018.
- Participated as **Delegate** on two-day Rashtriya Adhiveshan at IISc and Christ University, Bangalore organised by Vijnana Bharati on June 9-10, 2018.
- **Invited Speaker** at Department of Mathematics, ST. MARY’S COLLEGE, Shillong, Meghalaya on September 19-20, 2018.

- **Invited Speaker and Chairperson** in International Conference of IMBIC on “Mathematical Sciences for Advancement of Science and Technology” (MSAST 2018) December 21-23,2018, jointly organised by Institute for Mathematics, Bioinformatics, Information Technology and Computer Science (IMBIC) and Moulana Abul Kalam Azad University of Technology, West Bengal.
- Participated as a **Resource person** in UGC Refresher course conducted by Gauhati University during 19.12.18 to 09.01.19.
- Act as **Chairperson** for two sessions on “National Seminar on Statistics for people, society and economy” held on February 22-23, 2019 at Statistics Department, Gauhati University.
- **Chairperson** of International Conference “Applied Non-linear Analysis and Soft Computing”, Mathematics Department, Gauhati University, December 22-23, 2020.
- **Resource Person** in the symposium “Scifiesta-2021” organized by Faculty of Science and IQAC, Nowgong Girls’ College, Nagaon, Assam on 24-02-2021.
- **Resource Person** in Bhattadev University, Bajali to celebrate National Science Day and Inauguration ceremony of Ph.D. program on 28<sup>th</sup> February, 2021.
- Participated in Bhupati Deka memorial lecture and award ceremony on 13-03-2021 organized by department of Mathematics, Gauhati university.
- **Chairperson** in NCAMS-2022 organized by Department of Mathematics, Gauhtai University, 22-23 December, 2022.
- **Invited Speaker and Chairperson** in 108<sup>th</sup> Indian Science Congress, at Mathematical Sciences section (including Statistics) organized by R.T. M Nagpur University, Nagpur, 03-07 January, 2023.
- **Invited Speaker and Chairperson** in NABSET-2023 organized by Department of Mathematics, Assam Don Bosco University, 24-25 February, 2023.
- **Invited Speaker and Chairperson** in NCMA-II organized by Department of Mathematics, Cotton University, 07-08 November, 2023.
- **Chairperson** in ISISMCL-2024 organized by Department of Mathematics, Gauhtai University, 3-4 May, 2024.

### List of papers published

Sl. No	Title of the publication	Year of publication, Vol. & No., page numbers	Name of the journal where published	ISBN/ISSN
1	Flow of incompressible second - order fluid through contracting and expanding pipe ( <b>R Choudhury</b> )	1981, 4(1), 23-31	Mathematical Forum	ISSN:0972-9862
2	Flow of second- order fluid between eccentric cylinders. ( <b>M.S. Saroa, R. Choudhury</b> )	1983, 6(2), 40-46	Mathematical Forum	ISSN:0972-9862
3	Flow of an incompressible second -order fluid past a sphere. ( <b>M. S. Saroa, R. Choudhury</b> )	1984, 34(3), 285-291, <b>Impact Factor 0.27</b>	Defence Science Journal	ISSN:0011-748X
4	Induced flow of an elasto-viscous fluid due to an oscillating disk ( <b>M. S. Saroa, R. Choudhury</b> )	1985, 8(1), 01-07	Mathematical Forum	ISSN:0972-9862
5	Flow and heat transfer around a circular cylinder ( <b>M. S. Saroa, R. Choudhury</b> )	1992, 9(2), 44-57	Mathematical Forum	ISSN:0972-9862
6	Flow between rotating eccentric disks. ( <b>M.S. Saroa, R. Choudhury</b> )	1993, 103-115	Proceeding of 30 <sup>th</sup> Congress,ISTAM,IIT,Kharagpur.	International
7	Flow of visco-elastic fluid between rotating eccentric cylinders. ( <b>R. Choudhury, A. Das</b> )	1995, 2,55-60	Bulletin of the Gauhati University Maths Association.	ISSN:0975-4148
8	Free convective heat transfer in a visco-viscous fluid confined between a long vertical wavy wall and a parallel flat wall ( <b>R. Choudhury, A. Das</b> )	1997, 39, 45-58	Journal of Assam Science Society	ISSN:0587-1921
9	Elastico-viscous flow and heat transfer between two rotating discs of different transpiration ( <b>R. Choudhury, A. Das</b> )	1997, 28(12), 1649-1663. <b>Impact Factor : 0.294</b>	Indian Journal of Pure and Applied Maths	ISSN:0019-5588
10	Flow and heat transfer of Walters liquid B' between two porous rotating discs ( <b>R. Choudhury, A. Das</b> )	1998, Golden Jubilee Vol., 63-74	Gauhati University Journal of Science	National
11	Torsional Oscillations of a disk in an elasto-viscous fluid ( <b>R. Choudhury, H. Sarma</b> )	1998 , 5, 01-11	The Bulletin, GUMA	ISSN:0925-4148
12	Population ecology of the Tunia River: Bio-mathematical analysis. ( <b>M . Kalita, R.Choudhury and,G.C.Sarma</b> )	1999, 218-223	Proc. Of Assam Science Society	National

13	Free convection flow of a non-Newtonian fluid in a vertical channel ( <b>R. Choudhury, A. Das</b> )	2000 50(1),37-44 <b>Impact Factor</b> <b>0.27</b>	Defence Science Journal	ISSN:0011-748X
14	Magneto hydrodynamic boundary layer flow of a non-Newtonian fluid past a flat plate ( <b>R. Choudhury, A. Das</b> )	2000 31(II),1429-1441 <b>Impact Factor :</b> <b>0.294</b>	Indian Journal of Pure and Applied Mathematics	ISSN:0019-5588
15	Applications of Mathematical techniques in the ecological studies of Tunia river, Bongaigaon, Assam ( <b>M. Kalita, R. Choudhury, G. C. Sarma</b> )	2000 148-160	Proc. of Assam Science Society	National
16	Influence of dissolved oxygen on distribution of Algal flora in Tunia river, Bongaigaon. ( <b>M. Kalita, R. Choudhury, G. C. Sarma</b> )	2001, 3,95--98	Journal of plant advance science, Botanical Society of Assam, India	ISSN:0971-9350
17	Elastico-viscous flow in a compliant annulus ( <b>R Choudhury, A Das</b> )	2001, 32(12),1905-1915 <b>Impact Factor :</b> <b>0.294</b>	Indian Journal of Pure and Applied Mathematics	ISSN:0019-5588
18	Steady flow of Walters liquid B/ through the annulus of porous coaxial circular cylinders ( <b>R. Choudhury, A. Das</b> )	2002, 33(6),807-817 <b>Impact Factor :</b> <b>0.294</b>	Indian Journal of Pure and Applied Mathematics	ISSN:0019-5588
19	A study of load capacity of finite slider bearings lubricated with couple stress fluids considering thermal effects ( <b>A. K. Pal, N.C. Das and R. Choudhury</b> )	2002, 33(10),1529-1540 <b>Impact Factor :</b> <b>0.294</b>	Indian Journal of Pure and Applied Mathematics	ISSN:0019-5588
20	Elastico-viscous MHD flow through a horizontal channel. ( <b>R. Choudhury, A. Das</b> )	2002, 212-217	Proc. of 47 <sup>th</sup> Congress of ISTAM, IIT, Guwahati.	International
21	Population models of single microbial species: Algal dynamics in Tunia river, Bongaigaon, Assam, India ( <b>M. Kalita, R. Choudhury and G. C. Sarma</b> )	2003, 29M (1)105-114	Acta Ciencia Indica, Meerut	ISSN:0970-0455
22	Elastico-viscous thermal boundary layer flow around a sphere ( <b>R. Choudhury, H. Sarma</b> )	2003, 10(2),81-96	Far East Journal of Applied Mathematics	ISSN:0972-0960
23	Steady MHD boundary layer flow of an elastico-viscous fluid past a flat plate ( <b>R. Choudhury, H. Sarma</b> )	2003, 12(3),155-170	Far east Journal of Applied Mathematics	ISSN:0972-0960

24	Unsteady free convective flow of visco-elastic fluid through rotating porous media. ( <b>R. Choudhury, H. Sarma</b> )	2003, 233-240	Proc. of 48 <sup>th</sup> Congress of ISTAM, IIT, Ranchi	International
25	Free convection flow of a visco-elastic fluid between two long vertical wavy walls (second-order fluid) ( <b>R. Choudhury, A. Das</b> )	2004, 22nl ,123-130	International Journal of Heat and Technology,Italy.	ISSN:0392-4764
26	Free convection flow of an elastic- viscous fluid confined between two vertical wavy walls (Walters liquid B <sup>'</sup> ) ( <b>R. Choudhury, H. Sarma</b> )	2004, 12(2),179-188	Far East Journal of Applied Mathematics	ISSN:0972-0960
27	Visco-elastic MHD flow past a porous plate ( <b>R. Choudhury, H.Sarma</b> )	2004, 17(3),327-342	Far East Journal of Applied Mathematics	ISSN:0972-0960
28	Elastico-viscous flow between eccentric disks rotating about different axes at different speeds. ( <b>R. Choudhury, A. Das</b> )	2005, 24-E,1,107-115	Bulletin of pure and Applied Mathematics	ISSN:0972-0960
29	Free convective MHD flow of a visco-elastic fluid through a rotating porous medium ( <b>R. Choudhury, A .Das</b> )	2005, 21(3), 305-320	Far East Journal of Applied Mathematics	ISSN:0972-0960
30	Steady MHD flow of Walters liquid (Model B <sup>'</sup> ) through a horizontal channel. ( <b>S. Choudhury, A. Das, R. Choudhury</b> )	2006, 5(4), 419-430	Journal of Rajasthan Academy of Physical Sciences	ISSN:0972-0960
31	Three dimensional free convective flow and heat transfer in a visco-elastic fluid through a porous medium ( <b>R. Choudhury, A. Das</b> )	2006, 1(1), 87-100	International Journal of Applied Math. Analysis and Applications	ISSN:0973-3868
32	Flow of a visco-elastic fluid through an annulus ( <b>R. Choudhury, H. R. Deb</b> )	2007, 19(1)M 73-82	Ultra Scientist International Journal of Physical Sciences	ISSN:0972-0960
33	Free convective non-Newtonian MHD flow and heat transfer through porous medium between two long vertical wavy wall ( <b>R. Choudhury, D. Dey</b> )	2008, 32(2)199-212	Far East Journal of Applied Mathematics	ISSN:0972-0960
34	Steady free convective MHD visco-elastic flow and heat transfer in a vertical channel ( <b>R. Choudhury, U. J. Das</b> )	2008, 7(3) 257-270	Journal of Rajasthan Academy of Physical Sciences	ISSN:0972-6306

35	Mixed convective MHD flow of a non-Newtonian fluid past a vertical porous oscillating plate with constant heat flux. ( <b>R. Choudhury, D.Dey</b> )	2009, 161-166	Proc. of 54 <sup>th</sup> Congress of ISTAM ,IIT, Delhi,Dec. 18-21.	International
36	Free convective MHD flow of a visco-elastic fluid past an infinite vertical channel ( <b>R. Choudhury,M.Mahanta</b> )	2009, 22(2),189-203	International Journal of Applied Math., Bulgaria	ISSN:1311-1728
37	Free convective visco-elastic flow with heat and mass transfer through a porous medium with periodic permeability ( <b>R. Choudhury, D. Dey</b> )	2010, 53, 1666-1672. <b>Impact factor 2.4</b>	International Journal of heat and mass transfer (Elsevier)	ISSN:0017-9310
38	Free convective MHD flow of a non-Newtonian fluid past an infinite vertical plate with constant suction and heat sink. ( <b>R. Choudhury, D. Dey</b> )	2010, 6(2) 133-144	International Journal of Dynamics of fluids	ISSN:0973-1784
39	An oscillatory visco-elastic flow through a porous medium in a rotating porous channel with injection/suction ( <b>R. Choudhury, U. J. Das</b> )	2010 ,38(1), 1-15	Far East Journal of Applied Mathematics	ISSN:0972-0960
40	Hydro-magnetic flow and heat transfer of a visco-elastic fluid on a continuously moving vertical surface. ( <b>R. Choudhury, U. J .Das</b> )	2010, 6(13) 1-13	International Journal of Appl. Maths. and mechanics, China	ISSN:0973-1784
41	Visco-elastic MHD free convective flow past a porous plate. ( <b>R. Choudhury, K. Debnath</b> )	2010, 1(1),63-78	Far East Journal of Mechanical Engineering and Physics	ISSN:0972-0960
42	Hydro-magnetic boundary layer flow past a wedge with slip velocity ( <b>R. Choudhury, H. R. Deb</b> )	2010, 7(2) 105-113	Advances and applications in fluid mechanics	ISSN:0973-4686
43	Heat and mass transfer in a visco-elastic MHD flow past a vertical plate under oscillatory suction velocity ( <b>R Choudhury, M Mahanta</b> )	2010, 2(3) 137-146	Int. Journal of Computational and applied mechanics	ISSN:0974-3189
44	Unsteady free convective MHD flow of a visco-elastic fluid past a tilted porous plate in presence of radiation. ( <b>R. Choudhury, D Dey</b> )	2011, 193-201	Proc. of 1 <sup>st</sup> National Conference of applied mathematical Science, SMIT.	ISSN:0973-4554
45	Hydro-magnetic convergent channel flow of a visco elastic electrically conducting fluid with slip velocity ( <b>R. Choudhury, D Dey</b> )	2011, 6(1), 11-18	Advances in Theoretical and Applied Mathematics	ISSN:0972-0960



46	Effects of MHD flow and heat transfer of a visco elastic fluid in a vertical channel with slip velocity <b>(R. Choudhury, H. R. Deb and D. Dey)</b>	2011, 6(2),331-343	Int. Journal of applied engineering research .	ISSN :0973-4562
47	Flow and heat transfer in three dimensional MHD visco-elastic flow past a porous plate <b>( R Choudhury, K Debnath)</b>	2011, 23(1), 29-38	Ultra Scientist,Int. Journal of Physical Sciences .	ISSN :0970-9150
48	Visco-elastic free convective flow and heat transfer along a porous vertical plate. <b>( R. Choudhury, K. Debnath)</b>	2011 5(V),445-456	Int. Journal of Math.Sci. and Engineering applications.	ISSN :0973-4562
49	Hydro-magnetic divergent channel flow of a visco-elastic electrically conducting fluid. <b>( R. Choudhury, K. Debnath)</b>	2011, 3(10), 7556-7561	Int. Journal of Engineering and Technology	ISSN :0975-5462
50	Mixed convective MHD transient flow of a visco-elastic fluid over an infinite porous surface in an oscillating free stream <b>(K. Debnath , R. Choudhury)</b>	2011, 19,2297-2308	Int. Journal of applied and Engineering research	ISSN 0973-4562
51	Boundary layers in oscillatory MHD visco elastic flow past a porous vertical plate with periodic suction <b>( R. Choudhury, U. J. Das)</b>	2011, 6(9),1127-1139	Int. Journal of Applied and Engineering research .	ISSN :0973-4562
52	Flow of an elastico-viscous fluid due to a rotating disk in presence of an infinite saturated porous medium <b>(R.Choudhury,H.R.Deb)</b>	2011, 3(2), 187-196	Int. Journal of fluids Engineering Research .	ISSN :0974-3138
53	Visco-Elastic Effects on three dimensional free convective MHD flow and mass transfer through a porous medium in presence of Sinosoidal injection, <b>(Rita Choudhury and D. Dey)</b>	2011, 6(1), 11-18	Proc. Of 1 <sup>st</sup> National Conference of applied Mathematical Science, SMIT	ISBN: 978-81-909694-0-7
54	MHD flow of visco-elastic fluid between a stretching sheet and an oscillatory porous parallel plate with constant suction <b>(R.Choudhury,H.R.Deb)</b>	2011, 6(1) 66-82	Int. Journal of Theoretical and Applied Mechanics	ISSN :0973-6085
55	Periodic MHD flow of visco-elastic fluid through a channel with heat transfer <b>(R.Choudhury,M.Mahanta)</b>	2011, 5(VI),395-404	Int. Journal of Mathematical Sciences and Engineering	ISSN :0973-9424
56	MHD flow and heat transfer of an elastico-viscous fluid through vertical wavy channel <b>(R.Choudhury,H.R.Deb and D.Dey)</b>	2011, 33(1),151-164	Journal of Indian Academy of Mathematics, Indore .	ISSN :0970-51202

57	Mixed convective MHD flow of visco-elastic fluid past a vertical infinite plate with mass transfer <b>(R.Choudhury,M.Mahanta)</b>	2012, 3(2),1-7	Int. Journal of Scientific and Engineering Research .	ISSN :2229-5518
58	Heat transfer to MHD oscillatory visco-elastic flow in a channel filled with porous medium <b>(R.Choudhury, U.J.Das)</b>	2012, Ar ID 879537, 5 pages Doi:10,1155/2012/879537.	Physics Research International, Egypt.	ISSN: 2090-2220
59	Visco-elastic effects on free convective three dimensional flow with heat and mass transfer. <b>(R. Choudhury and U.J. Das)</b>	2012, Ar-ID402037 8 pages Doi:10,5402/2012/402037.	ISRN Computational Mathematics, Egypt.	ISSN : 2090-7842
60	Visco-elastic effects on free convection flow confined between along vertical wavy wall and a parallel flat wall of equal transpiration. <b>(R.Choudhury and S.K.Das)</b>	2012, 7(7),691-706	Int. Journal of applied Engineering research	ISSN :0973-4562
61	MHD mixed convective oscillatory flow of visco elastic fluid in a porous channel <b>(R.Choudhury,M.Mahanta)</b>	2012, 6(2) 177-190	JP Journal of Heat and mass transfer	ISSN :0973-5763
62	Heat and mass transfer of visco-elastic MHD boundary layer flow past a vertical flat plate. <b>(R.Choudhury,H.R.Deb)</b>	2012, 4(7) 53-61	Int. Journal of Engineering Sciences and Technology	ISSN :0975-5462
63	Free convective visco-elastic boundary layer flow past an inclined permeable plate in slip flow regime. <b>(R.Choudhury, H.K.Bhattacharjee, D.Dey)</b>	2012 , 3(9)3427-3436	Int. Journal of Mathematical Archive	ISSN :2229-5046
64	MHD mixed convective heat and mass transfer in a visco-elastic boundary layer slip-flow past a vertical permeable plate with thermal radiation and chemical reaction <b>(R. Choudhury, U J Das)</b>	2012, 3(3),93-101	Int. Journal of Statistika and Matematika	ISSN :2277-2790, E- ISSN :2249-8605
65	Elastico-viscous effects on an oscillatory heat and mass transfer flow past a vertical plate with thermal diffusion and periodic suction velocity <b>(R. Choudhury, S Purkayastha)</b>	2012, 2(5),215-232	Int. Journal of advanced Scientific and technical research	ISSN:2249-9954
66	Mixed convective MHD flow with heat and mass transfer of an elastico viscous fluid from a vertical surface with Ohmic heating in presence of radiation <b>(R. Choudhury, D Dey)</b>	2012, June, 1(2)131-143	Journal of fluids and Thermal Sciences	ISSN :2231-1424

67	Free convective elastic-viscous fluid flow with heat and mass transfer past an inclined plate in slip flow regime. <b>(R. Choudhury, D Dey)</b>	2012 Oct., 42(4),327-332.	Latin American Applied Research Impact factor 0.03	ISSN :0327-0793
68	Visco-Elastic Free Convective Flow and Heat Transfer Past an Oscillating Porous Plate in the Slip Flow Regime. <b>(R. Choudhury, S. K. Das)</b>	2012, 7(4),403-416	Advances in Theoretical and Applied Mathematics	ISSN :0973-4554

69	Hydromagnetic Boundary Layer Flow of a Visco- Elastic Fluid with Heat and Mass Transfer on a continuously moving surface. <b>(R.Choudhury,P.Dhar)</b>	2012, 3(11),4035-4041	International Journal of Mathematical Archive	ISSN :2229-5046
70	Unsteady oscillatory MHD flow of a visco-elastic fluid past a porous vertical plate with periodic suction. <b>(Rita Choudhury, K. Debnath)</b>	2012, 3(5),	International Journal of Mathematical Archive	ISSN :2229-5046
71	Visco-Elastic Free Convective Flow past a Vertical Porous Plate through a Porous Medium with Suction and Heat Source <b>(Rita Choudhury, S Purkayastha , D.Dey)</b>	2013,5(2), 31-38	Int. Journal of Statistika and Matematika	ISSN :2277-2790, E- ISSN :2249-8605
72	Diffusion thermo effects of visco-elastic fluid past a porous surface in presence of magnetic field and radiation <b>(R. Choudhury, P Dhar)</b>	2013,2(3). , 805-813	International journal of innovative research in science, engineering and technology	ISSN-2319-8753
73	Visco-elastic flow through a compliant annulus with naturally permeable boundary <b>(Rita Choudhury, K Debnath)</b>	2013,. 9(4), 66-79.	Int. J. of Applied Math and Mech..China.	ISSN:0973-1784
74	Mixed convective visco-elastic MHD flow with Ohmic heating <b>(R. Choudhury, S. K. Das)</b>	2013, 68(10), 7-13, April . doi:10.5120/11613-7004.	Int. J of Computer Applications. New York, USA.	ISSN:0975-8887
75	Visco-elastic unsteady MHD flow between two horizontal parallel plates with Hall current <b>(R. Choudhury, S. K. Das)</b>	2013, 5(1),20-28, Jan- Feb 2013. Doi:10.9790/5728-0512028.	IOSR J. of Mathematics.	e-ISSN:2278-5728 p-ISSN 0974-3138.
76	Visco-elastic MHD oscillatory horizontal channel flow and heat transfer with heat source <b>(R Choudhury, S. K. Das)</b>	2013,4(3),Feb 149-168.	Applied Mathematical and Computational Sciences	ISSN:0976-1586

77	Visco- elastic MHD fluid flow over a vertical plate with Dufour and Soret effects <b>(R Choudhury, S. K. Das)</b>	2013, 4(7), July, 2229- 5518	Int. J of Scientific and Engineering Research	ISSN: 2229-5518
78	Visco-Elastic flow with heat and mass transfer past a vertical porous plate in presence of Hall Current and Radiation. <b>(Rita Choudhury,Hillol Kanti Bhattacharjee and Paban Dhar)</b>	2013, 5(1),39-55,2013.	Int. J of Fluid Engineering.	ISSN 0974-3138
79	Free-Convective oscillatory flow of a visco-elastic fluid past a porous plate in presence of radiation and mass transfer. <b>(M.Mahanta, R.Choudhury)</b>	2013, 2(9), 51-57	Int. J. of Engineering and Sciences	
80	Visco-elastic effects on Three-dimensional hydromagnetic flow past a vertical porous plate. <b>(R. Choudhury, U J Das)</b>	2013, 31(1), 1-8	Int. J. Heat and Technology, Italy.	ISSN: 0392-8764
81	Visco-elastic effects on MHD free convective flow past an oscillatory porous plate through porous medium with heat source. ( <b>R. Choudhury and B. Das</b> )	2013, 2(11), 9 pages	Int. J. of Innovative research in science, Engineering and technology.	
82	Visco-elastic MHD boundary layer flow with heat and mass transfer over a continuously moving inclined surface in presence energy dissipation. <b>(Rita Choudhury , Paban Dhar and Debasish Dey)</b>	2013, 8(4), 146-155	WSEAS Transactions on Heat and Mass transfer.	
83	Visco-Elastic MHD flow with heat and mass transfer on a continuously moving surface in presence of inclined magnetic field. <b>(Rita Choudhury and Paban Dhar)</b>	2014, Vol. 15, pp. 522-531	Proceedings of 59 <sup>th</sup> annual technical session of assam science society.	ISBN:13-978-81930041-2-8
84	Visco-elastic effects on convection flow in a vertical rotating channel partially filled with a porous medium. <b>(Rita Choudhury &amp; Saswati Purkayastha ).</b>	2014, 104(4), 9-17	International Journal of computer Applications. (New-York), USA.	ISSN: 0975-8887

85	Visco-elastic MHD free convective flow through porous media in presence of radiation and chemical reaction with heat and mass transfer. <b>(Rita Choudhury &amp; S. K Das)</b>	2014, 7(4), 603-609 <b>Impact factor 0.505</b>	Journal of applied fluid mechanics (Iran)	ISSN: 1735-3572 E-ISSN: 1735-3645
86	Ion slip effect on visco-elastic fluid flow past an impulsively started vertical plate embedded in a porous medium with chemical reaction. <b>(Rita Choudhury, Paban Dhar)</b>	2014, Vol 2014, article Id- 481308., pp 1-10	International Scholarly Research Notices (Egypt)	ISSN: 2356-7872
87	An analysis of mixed convective elastico-viscous fluid past a vertical porous plate in presence of induced magnetic field and chemical reaction. <b>(Rita Choudhury &amp; Saswati Purkayastha ).</b>	2014, Vol 32(12), pp 27-34	International Journal of Heat and Technology (Italy)	ISSN 0392-8764
88	Heat and mass transfer in MHD visco-elastic fluid flow past a vertical plate in presence of Soret effect and chemical reaction. <b>(Rita Choudhury, Hillol Kanti Bhattacharjee)</b>	2014, Vol. 10(2), pp-185-202	JP Journal of heat and mass transfer.	ISSN: 0973-5763
89	Three dimensional free convective flow with heat and mass transfer of a visco-elastic fluid along a vertical porous plate. <b>(Rita Choudhury, Hillol Kanti Bhattacharjee)</b>	2014, Vol. 5(4), pp-340-350	Journal of Computer and Mathematical Sciences	ISSN 0976 - 5727 (print) ISSN 2319 - 8133 (online)
90	Oscillatory MHD visco-elastic fluid flow past a vertical plate through porous medium with variable suction and heat sink. <b>(Rita Choudhury, Hillol Kanti Bhattacharjee)</b>	2014, Vol. 7(2), pp. 97-106	International Journal of Applied Mathematical Sciences.	ISSN 0973-0176
91	Hydromagnetic electrically conducting flow past a continuously moving inclined plate with heat and mass transfer. <b>(Rita Choudhury &amp; Saswati Purkayastha ).</b>	2014, Vol. 4(1), pp. 42-46	International Journal of Technology	ISSN: 2231-3907
92	Effects of radiation and chemical reaction on MHD mixed convective visco-elastic fluid from a vertical surface with ohmic heating. <b>(Rita Choudhury, Hillol Kanti Bhattacharjee)</b>	2014, 11 (01), 06-11	Int. J. of Statistica and Mathematica	

93	Visco-elastic fluid flow with heat and mass transfer in a vertical channel through a porous medium. <b>(Rita Choudhury, M. Mahanta, D.Dey)</b>	2014, 2(1), 22-33	J. of Global research in Mathematical Archives.	
94	Visco-elastic MHD flow through a porous medium bounded by horizontal parallel plates moving in opposite direction in presence of heat and mass transfer. <b>(R. Choudhury, P. Dhar, D. Dey)</b>	2014, 97(16), 6-12	Int. J. of Computer Applications	
95	Hall Current and Thermal radiation effect on MHD convective flow of an elastico-viscous fluid in a rotating porous channel. <b>(Saswati Purkayastha and Rita Choudhury)</b>	2014, vol. 9, 196-206	WSEAS transaction on Applied and Theoretical Mechanics	
96	Effects of MHD visco-elastic fluid flow past a moving plate with double diffusive convection in presence of hall current.	2014, 9, 196-206	WSEAS Transaction on fluid Mechanics	
97	Three-dimensional visco-elastic flow with heat and mass transfer past a vertical porous plate in presence of variable suction.	2014, 13, 714-725		
98	Effects of chemical reaction and heat radiation on unsteady MHD elastic-viscous flow past a porous plate embedded in a porous medium. <b>(Rita Choudhury &amp; Saswati Purkayastha)</b>	2015, Vol – 59(4), PP-377-393	Acta Technica	ISSN-0001-7043
99	Transient MHD visco-elastic flow past an impulsively started infinite porous plate in presence of hall current. <b>(Rita Choudhury &amp; Bandita Das)</b>	2015, Vol-60.pp-387-404	Acta Technica, Institute of Thermomechanics	ISSN-0001-7043
100	Some aspects of oscillatory visco-elastic flow through porous medium in a rotating porous Channel. <b>(Rita Choudhury and Hillol kanti Bhattacharjee)</b>	2015, Vol-10,pp-26-34	WSEAS Transaction on Fluid Mechanics	E-ISSN-2224-347X

101	Mixed convective elastico-viscous fluid flow past a porous plate in presence of induced magnetic field and energy dissipation. <b>(Rita Choudhury, Kamal Debnath and Debasish Dey)</b>	2015, Vol. 7(4), pp-165-175	Research Journal of Science and Technology	ISSN: 0975-4393(print) 2349-2988(online)
102	Flow and Heat transfer in MHD visco-elastic fluid with ohmic heating. <b>(Rita Choudhury &amp; Bandita Das)</b>	2016, Vol – 12(1),pp-47-57	Malaysian journal of fundamental and applied sciences	ISSN-2289-5981 E ISSN-2289-599X
103	Influence of visco-elasticity on MHD heat and mass transfer flow through a porous medium bounded by an inclined surface with chemical reaction. <b>(Rita Choudhury &amp; Bandita Das)</b>	2016, Vol-34(2),pp-332-338	International journal of heat and mass transfer, Italy	ISSN-0392-8764
104	Visco-elastic effects with simultaneous thermal and mass diffusion in MHD free convective flow near an oscillating plate in the slip flow region. <b>(Rita Choudhury &amp; Bandita Das)</b>	2016, Proc.,175, pp-020003-0200011	Advances in mathematical sciences(AIP)	
105	Flow Features of a Conducting Visco-Elastic Fluid Past a Vertical Permeable Plate. <b>(Rita Choudhury and Bamdeb Dey)</b>	2017, Vol. 13, No. 9, pp. 5687-5702	Global Journal of Pure and Applied Mathematics, INDIA	ISSN: 0973-1768
106	Impact of Visco-Elasticity of MHD Free Convective Flow Past a Vertical Surface Embedded in Porous Medium. <b>(Rita Choudhury and Bamdeb Dey)</b>	2017, Vol. 20, No. 2, pp. 211-228	Advances and Applications in Fluid Mechanics, INDIA	ISSN: 0973-4686
107	Diffusion-Thermo and Thermo-Diffusion Effects on Heat and Mass Transfer MHD Visco-Elastic Flow Past a Plate. <b>(Rita Choudhury and Bibhash Deka)</b>	2017, Vol. 9, No. 3, pp. 471-482	International journal of Engineering and Technology, INDIA	ISSN: 0975-4024
108	MHD visco-elastic fluid flow past a flat plate with heat and mass transfer. <b>(Bibhash Deka and Rita Choudhury)</b>	2017, vol. 65, No. 1&2, pp. 57-69	Indian Journal of Theoretical Physics.	ISSN: 0019-5693
109	MHD Visco-Elastic Fluid Flow and Heat Transfer around a Circular Cylinder. <b>(Rita Choudhury and Bibhash Deka)</b>	2017, Vol. 12, pp. 98-107	WSEAS Transactions on Fluid Mechanics, GREECE	E-ISSN: 2224-347X

110	Hydromagnetic Channel Flow of a Second-Grade Fluid Induced by Thermal Radiation and Chemical Reaction. <b>(Rita Choudhury and Bibhash Deka)</b>	2017, Vol. 62, No. 3, pp. 207-220	Acta Technica Csav (Ceskoslovensk Akademie Ved), CZECH REPUBLIC	ISSN: 0001-7043
111	Unsteady Thermal Radiation Effects on MHD Convective Slip Flow of Visco-Elastic Fluid Past a Porous Plate Embedded in Porous Medium. <b>(Rita Choudhury and Bamdeb Dey)</b>	2018, Vol. 57, No. 2, pp. 215-226	International Journal of Applied Mathematics and Statistics, INDIA	ISSN: 0973-1377 (Print), 0973-7545 (Online)
112	On Hydromagnetic Flow of a Second-Grade Fluid Induced by an Inclined Plate. <b>(Rita Choudhury and Bibhash Deka)</b>	2018, Vol. 36, No.1, pp. 325-331	International Journal of Heat and Technology, ITALY	ISSN: 0392-8764
113	Hydromagnetic Oscillatory Slip Flow of a Visco-Elastic Fluid through a Porous Channel. <b>(Rita Choudhury, Bamdeb Dey and Bandita Das)</b>	2018, Vol. 71, pp 961- 966	Chemical Engineering Transactions	ISSN: 2283-9216
114	Impact of Oblique Magnetic Flux upon second-Grade Fluid flow with Dissipation. <b>(Bandita Das and Rita Choudhury)</b>	2019, Vol. 755, pp 611-620.	Advances in Intelligent Systems and Computing, <b>Springer</b>	e-ISSN: 21945365 ISBN: 978-981-13-1950-1
115	Impact of Thermophoretic MHD Visco-Elastic Fluid Flow Past a Wedge with Heat Source and Chemical Reaction. <b>(Bibhash Deka and Rita Choudhury)</b>	2019, Vol. 755, pp 541-552.	Advances in Intelligent Systems and Computing, <b>Springer</b>	e-ISSN: 21945365 ISBN: 978-981-13-1950-1
116	Slip Effects on Heat and Mass transfer in MHD Visco-Elastic Fluid Flow through a Porous Channel. <b>(Bamdeb Dey and Rita Choudhury)</b>	2019, Vol. 755, pp 553-564.	Advances in Intelligent Systems and Computing, <b>Springer</b>	e-ISSN: 21945365 ISBN: 978-981-13-1950-1
117	Three Dimensional Unsteady Visco-elastic flow with heat and mass transfer and suction along a vertical porous plate. <b>(Rita Choudhury, Bamdeb Dey and Bandita Das)</b>	2019, vol. 21, pp.18-36	Journal of Tripura Mathematical Society.	ISSN: 0972-1320
118	Elucidation of MHD Boundary Layer Flow Past a Plate with Viscous Dissipation. <b>(Bhriku Kumar Kalita, Rita Choudhury and Paban Dhar)</b>	2020, vol. 13, No. 11, pp. 3321-3327	International Journal of Engineering Research and Technology.	ISSN: 0974-3154



119	Flow features of thermophoretic MHD viscous fluid flow past a converging channel with heat source and chemical reaction. <b>(Bhriku Kumar Kalita and Rita Choudhury)</b>	2021, vol. 26, No. 3, pp. 72-83	International Journal of Applied Mechanics and Engineering	ISSN: 2021-0036
120	Effects of Ohmic heating and viscous dissipation on MHD fluid flow past a vertical plate embedded with porous medium. <b>(Bhaskarjyoti Deka, Bhriku Kumar Kalita and Rita Choudhury)</b>	2021, vol. 16, No. 2, pp. 469-484	Advances in Dynamical Systems and Applications	ISSN: 0973-5321
121	Transference of thermal energy escorted by constant suction, radiation and mass transfer on viscous fluid stream past a surface. <b>(Ashik Hussain Mirza, Rita Choudhury and Bhriku Kumar Kalita)</b>	July 2021, vol. 12, No. 8, pp. 4381-4391	Turkish Online Journal of Qualitative Inquiry	ISSN: 1309-6591
122	Radiation and chemical reaction effects on unsteady viscoelastic fluid flow through porous medium. <b>(Bamdeb Dey, Bhriku Kumar Kalita and Rita Choudhury)</b>	2022, vol. 18, No. 32, pp. 1-8	Frontiers in Heat and Mass Transfer	ISSN: 2151 - 8629
123	Upshots of cataclysmic chemical reaction and thermophoresis on hydromagnetic flow past an inclined plate. <b>(Bhriku Kumar Kalita and Rita Choudhury)</b>	2022, vol. 48, pp. 688-700	Italian Journal of Pure and Applied Mathematics	ISSN: 2239-0227
124	Heat Transfer and Flow Attributes of MHD Viscous Fluid Around a Circular Cylinder in Presence of Thermal Radiation. <b>(Bhriku Kumar Kalita and Rita Choudhury)</b>	2022, vol. 9, No. 1, pp. 43-50	Mathematical Modelling of Engineering Problems	ISSN: 2369-0747
125	Disquisition of thermophoresis and chemical reaction sketch in viscous stream over a wedge. <b>(Bhaskarjyoti Deka and Rita Choudhury)</b>	2022, vol. 51, No. 6, pp. 5114-5139	Heat Transfer	ISSN: 2688-4542

126	Thermophoretic and Chemical Reaction Effects on Unsteady Dissipative MHD Convection Flow-Stream Past an Upright Permeable Plate Accompanying Radiation and Absorption of Heat. <b>(Bhriku Kumar Kalita and Rita Choudhury)</b>	2023, vol. 37, pp. 451-470	Lecture Notes in Computational Vision and Biomechanics <b>(Book Chapter)</b>	ISSN: 2212-9413
127	Soret–Dufour effects on chemically reacting non-Darcian MHD flow around a plate. <b>(Bishwa R. Sarma, Rita Choudhury and Utpal J. Das)</b>	2023, vol. 52, No. 1, pp. 28-39	Heat Transfer	ISSN: 2688-4542
128	The eventuality of diffusiophoresis and chemical reaction in a flow with variable fluid properties through an upright channel. <b>(Bhriku Kumar Kalita and Rita Choudhury)</b>	2023, vol. 52, No. 2, pp. 2117-2136	Heat Transfer	ISSN: 2688-4542
129	Heat Transfer Analysis in an Unsteady MHD Flow over a Stretchable Permeable Surface under Ohmic Heating and Viscous Dissipation. <b>(Bhaskarjyoti Deka and Rita Choudhury)</b>	2023, Vol. 28, No. 4, pp. 11-19	<i>Science and Technology Asia</i>	ISSN: 2586-9000
130	Repercussions of diffusion-thermo and thermo-diffusion with chemically reacting MHD mixed convective flow past a plate. <b>(Bhaskarjyoti Deka and Rita Choudhury)</b>	2024, Vol. 54, No. 1, pp. 143-147	<i>Latin American Applied Research</i>	ISSN: 0327-0793
131	The detrimental effect of thermal exposure and thermophoresis on mhd flow with combined mass and heat transmission employing permeability. <b>(Ashik Hussain Mirza, Bamdeb Dey and Rita Choudhury)</b>	2024, Vol. 29, No. 1, pp. 90-104	<i>International Journal of Applied Mechanics and Engineering</i>	ISSN: 2353-9003