

## CV

Name: **DR. SAJAL KUMAR DAS**

Designation & Department: **Associate Professor and HOD, Mathematics**

DOB: **01/11/1965**.

Date of Joining: **13/06/1994**.

Academic Qualification:

Degree	Name of the institution	Year of passing/ obtaining degree	Division/Class
HSLC	Jhawbari Provincialised School	1982	First Div.
P. U. Sc.	Bhola Nath College, Dhubri	1984	First Div.
B.Sc.	Bhola Nath College, Dhubri	1987	First Class
M.Sc.	Gauhati university	1889 (Held in 1990)	First Class
M. Phil	Madurai Kamaraj University	2008	Second Class
Ph. D	Gauhati University	2014	


Engagements with the College (other than academics): **IQAC Coordinator from December, 2017, Joint Coordinator of IQAC from December 2015 to November, 2017, HOD from 29/06/2014 to 28/06/2016, AOC in Examination Board (Both College and University/AHSEC), Member of College Election Commission, Question setter in University/ State Body, Superintendent of BCGH from 10-11-2002 to 14-05-2006, and various Committees related to College Authority.**

Any other relevant Information: **Completed UGC sponsored Minor Research Project in time titled “Flow Problems in Visco-Elastic Fluids” (No.F.5-44/2015-16/MRP/NERO/1881 dated 27 March, 2016).**

Guideship (Yes/No): **No.**

**Publications in Journals: (11 Papers published)**

Sl. No.	Title of Paper	Name of Journal	ISSN/ISBN No.
1	Visco-elastic effects on free convective flow confined between a long vertical wavy wall and a parallel flat wall of equal transpiration.	International Journal of Applied Engineering Research, Volume 7, Number 7 (2012), pp. 691-706.	ISSN: 0973-4562

2	Visco-elastic free convective flow and heat transfer past an oscillating porous plate in the slip flow regime.	Advances in Theoretical and Applied Mathematics, Volume 7, Number 4 (2012), pp. 403-416.	ISSN: 0973-4554
3	Visco-elastic unsteady mhd flow between two horizontal parallel plates with hall current.	Journal of Mathematics (IOSR-JM), Volume 5, Issue 1 (Jan. - Feb. 2013), pp. 20-28. DOI <a href="https://doi.org/10.9790/5728-0512028">10.9790/5728-0512028</a>	e-ISSN: 2278-5728., p-ISSN: 2319-765X,
4	Visco-elastic mhd oscillatory horizontal channel flow and heat transfer with heat source.	Applied Mathematical and Computational Sciences, Volume 4, Issue 3, February 2013, pp. 149-168.	ISSN: 0976-1586
5	Mixed convective visco-elastic mhd flow with ohmic heating.	International Journal of Computer Applications, Volume 68, Number 10, April 2013. Published by Foundation of Computer Science, New York, USA. BibTeX, pp. 7-13.  <a href="https://doi.org/10.5120/11613-7004">10.5120/11613-7004</a>	(ISBN: 973-93-80874-30-8, ISSN: 0975 - 8887.
6	Visco-elastic mhd fluid flow over a vertical plate with dufour and soret effect	International Journal of Scientific & Engineering Research, Volume 4, Issue 7, July-2013, pp. 11-17,	ISSN: 2229-5518,
7	Visco-elastic mhd free convective flow through porous media in presence of radiation and chemical reaction with heat and mass transfer	Journal of Applied Fluid Mechanics (JAFM), Volume 7, Number 4, October, 2014, pp. 609-614.	ISSN: 1735-3572, EISSN: 1735-3645.
8	Radiation and soret effect on visco-elastic mhd oscillatory horizontal channel flow with heat and mass transfer in presence of chemical reaction and heat source.	International Journal of Engineering Research and Application (IJERA), Issue 8, (Part-4), August 2016, pp. 39-54.	ISSN 2248-9622
9	Visco-elastic mhd flow with heat and mass transfer past a porous plate in presence of chemical reaction and heat generation	International Research Journal of Mathematics, Engineering & IT (IRJMEIT), Vol. 3, Issue 8, August 2016, pp. 28-43.	ISSN: 2349-0322
10	Mhd Flow of Visco-Elastic Fluid with Radiative Heat Transfer and Temperature Dependent Heat Source	International Journal of Engineering Science Invention (IJESI) Volume 8 Issue 02, Series. I, Feb 2019, PP 01-12	ISSN (Online): 2319 – 6734, ISSN (Print): 2319 – 6726

11	Free Convective Visco-Elastic MHD Flow and Heat Transfer with Radiation	International Journal of Computer Applications, Foundation of Computer Science (FCS), NY, USA, BibTeX, Volume 182 - Number 39, February 2019, , pp. 28-43. <a href="https://doi.org/10.5120/ijca2019918494">doi&gt; 10.5120/ijca2019918494</a>	ISSN: (0975 – 8887)
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#### Publications in Newspaper/Magazine etc:

Sl. No.	Title with Page No.	Journal/Magazine/News Paper	Published by
1	The Interesting Group $S_3$ : A Perspective, pages 82-85.	Assam College Teachers' Association Journal, Vol. XXVII,2002-03	Assam College Teachers' Association
2	Ganit Shikshar Prayojanio Dish, page-7	News Paper- 'Amar Asom' Vol. 8, Issue No. 119, 18 August, 2004	G.L.Publications Ltd, Guwahati-7
3	Chhatri Nibasar Adhikshakar padto aru Iar Parichalana, pages 19-20.	'Bajalian', the Bajali College Magazine, 2004-05	Bajali College, Pathsala.
4	Computer Byavstha Aru Iar Prabhav, pages 30-32.	'Bajalian', the Bajali College Magazine, 2006-07.	Bajali College, Pathsala.
5	Why One Should study Mathematics, pages 22-24.	'Smritigrantha', the Souvenir of Golden Jubilee Celebration, Jhawbari High School, 2010.	Golden Jubilee Celebration Committee, Jhawbari High School,

#### **Presentstion of Papers in Conference: (7 presentations)**

Sl. No	Title of Paper Presented	Title of Conference/ Seminar	Organised by	Type of Conference
1	Visco-elastic effects on free convective flow confined between a long vertical wavy wall and a parallel flat wall of equal transpiration	National Conference on Frontiers in Mathematics-2011, from September 29th-30th, 2011.	Department of Mathematics, Gauhati University	National
2	Visco-elastic mhd oscillatory horizontal channel flow and heat transfer with heat source	Annual Technical Session, March 16th, 2012.	Assam Science Society, at Gauhati University,	State level
3	Visco-elastic mhd flow with heat and mass transfer past a porous plate in presence of chemical reaction and heat generation.	National Conference on Recent Trends in Mathematical and Computational Sciences, November 28th-30th, 2012.	Institute of Advanced Study in Science and Technology, Guwahati,	National

4	Visco-elastic mhd free convective flow through porous media in presence of radiation and chemical reaction with heat and mass transfer	Technical Session on Mathematical Sciences, December 22 <sup>nd</sup> , 2012.	Assam Academy of Mathematics, Gauhati University,	State level
5	Visco-elastic unsteady mhd flow between two horizontal parallel plates with hall current	International Conference on Recent Advances in Mathematical Statistics and Its Applications in Applied Sciences, December 31, 2012 - January 2, 2013.	Department of Statistics, Gauhati University,	<b>International</b>
6	Mixed convective visco-elastic mhd flow with ohmic heating	Presented in the National Conference on Emerging Trends in Physics of Fluids and Solids, February 27-28, 2013.	<b>Jadavpur University, Kolkata-700032,</b>	National
7	Visco-elastic mhd fluid flow over a vertical plate with dufour and soret effect	National Conference on Pure and applied Mathematics (NCPAM-2013), May 9-10, 2013.	Royal Group of Institutions, Guwahati,	National

Acted as Resource Persons(if any):

Sl. No.	Title of Conference/ Seminar/ Workshop etc.	Organised by	Type of Seminar /Workshop
1	High School Science Teachers' Training Camp on Innovative Science Teaching from 24 <sup>th</sup> to 29 <sup>th</sup> Jan., 2000 (as Resource Person)	Assam Science Society at Bajali College, Pathsala Local Level	Local Level
2	Teachers' training Workshop on Science and Mathematics Teaching in Secondary Schools of Assam as Resource Person from 2 <sup>nd</sup> to 9 <sup>th</sup> Aug., 2003.	Assam Science Society at Patacharkuchi Vidyapith (Sponsored by MHRD, Govt. of India)	Local level
3	Innovative Science Teaching Workshop for High School Science Teacher from 4 <sup>th</sup> to 9 <sup>th</sup> July, 2005(as Resource Person)	Assam Science Society, Bajali Branch at Bajali College, Pathsala	Local Level

4	Workshop on Excursion in Mathematics Programme, July 2011 (As Resource Person).	Assam Academy of Mathematics sponsored by National Board for Higher Mathematics.	Local
5	One Day Teachers' Orientation/ Training Programme, (As Resource Person) On 29-07-2014.	Gilbert English Medium School, Pathsala, Barpeta, Assam.	Local
6	Workshop cum Teachers' Orientation Programme, (As Resource Person), 01-02 July, 2016	Gilbert English Medium School, Pathsala, Barpeta, Assam.	Local

Workshop/Seminar/Short-term course attended: (20 Seminars/ Workshops)

Sl. No.	Title of Conference/ Seminar/Workshop etc.	Organised by	Whether International/ National/regional/state level/local-university /college level
1	Orientation Programme for Academic Counsellors of Bachelor of Science from 28 <sup>th</sup> to 29 <sup>th</sup> March, 2000.	IGNOU, Guwahati Regional Centre, Guwahati-03	Regional
2	National Level Seminar on Effectiveness of College Education from 12 <sup>th</sup> to 13 <sup>th</sup> Feb., 2001.	Bajali College, Pathsala (UGC Sponsored)	National
3	Winter School on Computer Programming, 10-03-2003 to 29-03-2003	Computer & Statistical Service Centre of Indian Statistical Institute, Kolkata at Gauhati University, Guwahati.	University level
4	National seminar on Insurgency in North-East India and Its Impact on Socio-Economy of the Region on 29 Nov., 2004	Kokrajhar Govt. College, Kokrajhar (UGC Sponsored)	National
5	National Seminar on The Need of Entrepreneurship Education in Colleges from 18 <sup>th</sup> to 19 <sup>th</sup> Nov., 2005	Bajali College, Pathsala (UGC Sponsored)	National
6	Strengthening quality Collegiate education after provincialisation; An analysis on 3 Feb., 2007	Gauhati University Alumni Association and Bajali College, Pathsala at Bajali College.	State Level
7	Short Term Training Course in Statistics/ Mathematics (STC-VI), 20-09-2010 to	A.S.C. Gauhati University	National

	24-09-2010		
8	The Problems of Teaching and Learning English at the secondary Level and their remedial Measures from 18 <sup>th</sup> to 19 <sup>th</sup> Dec., 2009.	Bajali College, Pathsala in Collaboration with Bhawanipur Anchalik College, Bhwanipur at Bajali College	State Level
9	Training on 'C' Programming Language, 21-02-2011 to 25-02-2011	North-East Centre for Research and Development (NECRD), IGNOU	Regional
10	One Day Workshop on Examination Reforms Vis-à-vis Semester System of Education at UG Level, 11 May, 2011.	IQAC, Bajali College, Pathsala	State Level
11	Training Program for Mathematics Teachers and Students, from 10 <sup>th</sup> to 11 <sup>th</sup> June, 2011.	Assam Academy of Mathematics in the Dept. of Mathematics, Gauhati University	State Level
12	Review of Reformation Of undergraduate Mathematics Syllabus of Gauhati University from 10 <sup>th</sup> to 11 <sup>th</sup> April, 2012.	Department of Mathematics, Gauhati University, Guwahati-781014	State Level
13	National Seminar on Emerging Trends in Chemistry and Technology from 27 <sup>th</sup> to 28 <sup>th</sup> June, 2013.	Bajali College, Pathsala (UGC Sponsored)	National
14	National Seminar on The Context of Higher Education in Lifelong from 05-09-2013 to 06-09-2013 at Bajali College, Pathsala.	Department of Economics, Bajali College, Pathsala in collaboration with Assam College Teachers' Association,	National
15	National Level Seminar on RUSA- Its Implication in the North Eastern Region: Problems and Prospects on 11 September, 2014	Barpeta Zone, ACTA in association of Bajali College Unit, ACTA(BCTA) at Bajali College, Pathsala	National
16	National Workshop on Application of Quantitative Techniques in Physical Geography from 1 <sup>st</sup> July to 3 <sup>rd</sup> July, 2015	Bajali College, Pathsala	National
17	Three Day Workshop on Biotechnology: A New Avenue of Research from 8 to 10 September, 2015	Bajali College, Pathsala	State Level
18	Three Day NET/SET	Bajali College. Pathsala.	State Level

	Coaching Programme from 23 <sup>rd</sup> January to 25 <sup>th</sup> January, 2018		
19	One Day PANE Lecture on 31 <sup>st</sup> July, 2018	Bajali College, Pathsala	State Level
20	State level Workshop on CBCS (Choice Based Credit System) from 18/06/19 to 19/06/19.	IQAC Bhabani Anchalik College.	State Level