CURRICULUM VITAE

Name: Dr. Rajib Haloi

Date of birth: 01 January, 1981.

Designation:

- Assistant Professor Stage-II in the Department of Mathematical Sciences, Tezpur University.

Positions held:

- Assistant Professor Stage-II in the Department of Mathematical Sciences, Tezpur University since June 16, 2012 to till date.

- Assistant Professor Stage-I in the Department of Mathematical Sciences, Tezpur University since July 31, 2006 to June 15, 2012.

- Scientist B in Defence Research and Development Organizations, Ministry of Defence from June 06, 2005 to July 27, 2006.

- Junior Research Fellow(CSIR–UGC) at IIT Kanpur from December 26, 2003 to June 03, 2005.

Courses Taught:

B. Tech.
- Mathematics I.
- Mathematics II.

Integrated M. Sc.
- Integral Equations and Integral Transforms.
- Theory of ODE.
- Partial Differential Equations.

M. Sc.
- Partial Differential Equations (M. Sc.).
- Mathematical Methods (M. Sc.).
- Algebra (M. Sc.).
- Measure theory (M. Sc.).
- Fourier Analysis (M. Sc).
- Ordinary Differential Equations (M. Sc).
- Elementary Mathematics and Statistics (C.B.C.T).

Academic Qualifications:

CURRICULUM VITAE

- HSLC from Bharati High School securing 71.5% in 1996.

- HSSLC from Patacharkuchi Vidyapith securing 70.8% in 1998.

- B. Sc. with Mathematics as Major from Bajali College securing 77.6% (Best Science Graduate, Gauhati University) in 2001.

- MSc. in Mathematics from Gauhati University with 86.2% marks (University Gold Medalist) in 2004.

- Qualified CSIR-UGC NET in June 2003.

- Qualified GATE in 2003.

- Ph.D from Indian Institute of Technology Kanpur in 2012.

  - Thesis Title: **A study of some abstract parabolic initial value problems with deviating arguments** .
  - Thesis Supervisor: **Prof. Dhirendra Bahuguna**.

Research Interest:

- Differential Equations, Fourier Analysis.

Published articles in Journals:

2016

- P. Kumar, **R. Haloi**, D. N. Pandey and D. Bahuguna, Existence of Solutions to a new class of abstract non-instantaneous impulsive fractional integro-differential equations, Nonlinear Dynamics and Systems Theory, 16(1) 2016, 73-85.

2014

- **R. Haloi**, Solutions to quasi-linear differential equations with iterated deviating arguments, . Electronic Journal of Differential Equations, Vol. 2014 (2014), No. 249, pp. 1-13.
- **R. Haloi**, Pradeep Kumar and D. N. Pandey,*Sufficient conditions for the existence and uniqueness of solutions to impulsive fractional integro-differential equations with deviating arguments*, Journal of fractional Calculus and Applications, Vol. 5(1) Jan 2014, No. 7, pp. 73–84. **Citation** : 01
- **R. Haloi**, *Existence of Weighted Pseudo-almost Automorphic Mild Solutions to Non-autonomous Abstract Neutral Differential Equations with Deviating Arguments*, Differential Equation and Dynamical systems, 22(2), 2014, 165–179. **Citation** : 00

2013

- **R. Haloi,** *On solutions to a non-autonomous neutral differential equation with deviating arguments*, Nonlinear Dynamics and Systems Theory, Vol 13(3), 242–257.**Citation** : 02

2012

- **R. Haloi**, D. N. Pandey and D. Bahuguna, *Existence and Uniqueness of a Solution for a Non-Autonomous Semilinear Integro-Differential Equation with Deviated Argument*, Differential Equation and Dynamical systems, 20(1), 2012, 1–16.**Citation** : 04

- **R. Haloi**, D. N. Pandey and D. Bahuguna, *Existence and uniqueness of solutions for quasi-linear differential equations with deviating arguments*, Electronic Journal of Differential Equations, Vol. 2012 (2012), No. 13, pp. 1–10. **Citation** : 12

- **R. Haloi**, D. N. Pandey and D. Bahuguna, *Existence, uniqueness and asymptotic stability of solutions to non-autonomous semi linear differential equations with deviated arguments,* Nonlinear Dynamics and Systems Theory, 12 (2) (2012), 179–191. **Citation** : 07

2011

- **R. Haloi**, D. N. Pandey and D. Bahuguna, *Existence of solutions to a non-autonomous abstract neutral differential equation with deviated argument*, Journal of Nonlinear Evolution Equations and Applications, 2011 (5) (2011) p. 75–90. **Citation** : 09

Articles under review:

- **R. Haloi**, *A necessary condition for the $L^2(\mathbb{R})$ multipliers with power weights*, Ukrainian Journal of Mathematics.

- **R. Haloi**, *Existence of mild solutions to fractional impulsive neutral differential equations with almost sectorial operators*, Electronic Journal of Differential Equations.
- **R. Haloi** *Solutions to fractional neutral differential equations with infinite delay*, Nonlinear studies.

Conference article:

- **R. Haloi**, On Approximate controllability of non-autonomous non local delay differential equations with deviating arguments, International Conference on current trends in PDEs: theory and Computations, Dec. 28-30, 2015, South Asian University, NewDelhi.

Conference, Workshop attended:

2016

- National workshop on Mathematical Analysis and Its Applications to Engineering, IIT Guwahati, Jan 02-04,2016.

2015

- International conference on current trends in PDEs: Theory and Computations, South Asian University, Dec 28-30, 2015.
- Workshop on Integral Equations-solvability,analysis and applications, NPDE, Jaypee University of Information Technology and IIT Gandhinagar, October 19-25, 2015.

2014

- Compact Course on Navier-Stokes Equations for Incompressible Fluids, TIFR CAM Bangalore, June 03 - 13, 2014.

- Advanced Instructional School on Theoretical and Numerical Aspects of Inverse Problems, TIFR CAM Bangalore, June 16 - 28, 2014.

2012

- Instructional School for Lecturers Differential Equations and Computation (2012), NBHM and Jaypee University of Information Technology, June 04–16, 2012.

- Workshop on Analysis, ISI and Tezpur University, January 03–09, 2012.

2010

- Satellite Conference on Harmonic Analysis (ICM 2010), NBHM and NISER, Bhubneswar, Aug 29 to Sept 02, 2010.

- Eleventh discussing meeting in Harmonic Analysis, NBHM and NISER, Bhubneswar, January 06–09, 2010.

- Workshop in Harmonic analysis, NBHM and NISER, Bhubneswar Dec 28, 2009 to Jan, 5, 2010.

2008

- Workshop in Harmonic Analysis and PDE, IMI and Dept. of Mathematics, Indian Institute of Science, Bangalore, December 05–13, 2008.

- 23rd Annual Conference of Ramanujan Mathematical Society, NBHM and Indian Institute of Technology Kanpur ,May 19– 21, 2008.

- National Instructional Workshop on Harmonic Analysis, NBHM and Indian Institute of Technology Kanpur, May 14–18, 2008.

2007

- Advanced Instructional School Representation Theory and its Application, NBHM and Bhaskaracharya Pratisthana and Department of Mathematics, University of Pune, July 2–28, 2007.

2006

- Short Term course on 'Matrix Computations and Applications' Department of Mathematics, IIT, Guwahati, December 18–22, 2006.

2004

- Instructional Workshop on Harmonic Analysis on symmetric spaces, IIT Kanpur and Indian Statistical Institute, June 21–July 09, 2004.

2002

- MTTS Program held at IIT Guwahati (sponsored by NBHM) during June 03–29, 2002.

Academic/Administrative responsibilities:

- Member, Tezpur University Entrance examination 2007.

Membership in the Scientific Societies:

- Life Member, Assam Academy of Mathematics.

Address for correspondence:

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  Dist: Nalbari, Assam-781371.

References:

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