

1. NAME AND FULL CORRESPONDENCE ADDRESS: HIMADRI KALITA, PhD

Ganapati Niwas, By Lane number 2, Ganesh Mandir Path, Noonmati,
Guwahati-781020, Assam.

2. PERSONAL DETAILS:

Father's Name: Mr. Gopi Nath Kalita

Mother's Name: Mrs. Minati Kalita

Sex: Female

Nationality: Indian

Community: Assamese

Category: General

Date of Birth: 27 July 1987

Email(s) and contact number(s): kalitahimadri123@gmail.com, 8638673478/9706107073



3. ACADEMIC QUALIFICATION

SL No	Degree	Year	Subjects	University/Institution	% of Marks
1	H.S.L.C	2003	Assamese, English, General science, Math, Social studies, Geography	Board Of Secondary Education	76%
2	H.S.	2005	Physics, Chemistry, Biology, English, Assamese	Assam Higher Secondary Education Council	66.4%
3	B.Sc.	2009	Zoology	Gauhati University	69.5%
4	M.sc	2011	Zoology (Specialization Cell & Molecular biology)	Gauhati University	90.00%
5	PhD	2018	Life science	Gauhati University	NA

4. PH.D THESIS TITLE, GUIDE’S NAME, INSTITUTE/ORGANIZATION/UNIVERSITY, YEAR OF AWARD.

Thesis title: A study on possible antioxidant, antidiabetic, and antihyperlipidemic activity of *Musa balbisiana* extracts on rat

Guide name: Dr. Rajlakshmi Devi, Associate Prof.

Institute: Institute of Advanced Study in Science and Technology (IASST)

University: Gauhati University

Year of award: 2018

5. WORK EXPERIENCE (IN CHRONOLOGICAL ORDER).

S.No.	Positions Held	Name of the Institute	From	To
1	Junior Research fellow (JRF)	IASST	September 2012-	September 2015
2	Senior Research Fellow (SRF)	IASST	October 2015	March 2017
3	Research fellow	IASST	April 2017	June 2018
4	Assistant Professor	Assam Don Bosco University	July 2018	22 nd September 2022
5	Assistant Professor	Guwahati College	24 th September 2022	Till Date

6. PROFESSIONAL RECOGNITION/ AWARD/ PRIZE/ CERTIFICATE, FELLOWSHIP RECEIVED BY THE APPLICANT.

S.No	Name of Award	Awarding Agency	Year
1	DST Institutional Grant	DST	2012 September- 2018 January

7. PUBLICATIONS:

S.No.	Author(s)	Title	Name of Journal	Volume	Page	Year
1	Himadri Kalita, Ankita Hazarika, and Rajlakshmi Devi	Withdrawal of high-carbohydrate high-fat diet alters status of trace elements to ameliorate metabolic syndrome in rat	Canadian Journal of Diabetes	44	317-326	2020
2	Himadri Kalita, Ankita Hazarika, Raghuram Kandimalla, Sanjeeb Kalita, Rajlakshmi Devi	Development of banana (<i>Musa balbisiana</i>) pseudo stem fiber as a surgical bio-tool to avert postoperative wound infections	RSC Advances	8	36791–36801	2018

3	Himadri Kalita, Ankita Hazarika, Sanjeeb Kalita, Raghuram Kandimalla, Rajlakshmi Devi	Antimicrobials tethering on suture surface through a hydrogel: A novel strategy to combat postoperative wound infections	RSC Advances	7	32637–32646	2017
4	Ankita Hazarika, Himadri Kalita, Mohan Chandra Kalita, Rajlakshmi Devi	Withdrawal from High-Carbohydrate High-saturated-Fat diet changes saturated-fat distribution and improves hepatic Low-Density- Lipoprotein-receptor expression to ameliorate metabolic syndrome in rats	Nutrition	38	95–101	2017
5	Himadri Kalita, Dulal Chandra Baruah, Meetal Deori, Ankita Hazarika, Rahul Sarma, Sima Kumari, Jibon Kotoky, Rajlakshmi Devi	Antidiabetic and Antilipidemic effect of Musa balbisiana root extracts: A potent agent in glucose homeostasis in the streptozotocin- induced rat	Frontiers in Pharmacology, Ethnopharmacology	7	doi: 10.3389/fphar .2016.00102	2016
6	Himadri Kalita, Ankita Hazarika, Dulal Chandra Boruah, Mohan Chandra Kalita, Rajlakshmi Devi	Pathophysiology of metabolic syndrome: the onset of natural recovery on withdrawal of High- Carbohydrate High- Fat diet	Nutrition		1081–1091	2016
7	Meetal Deori, Sima Kumari, Ankita Hazarika, Himadri Kalita, Rahul Sarma and <u>Rajlaksh mi Devi</u>	Antioxidant Effect of Sericin in Brain and Peripheral Tissues of Oxidative Stress Induced Hypercholesterolemi c Rats	Frontiers in Pharmacology, Ethnopharmacology	7	doi: 10.3389/fphar. 2016.00319	2016
8	Himadri Kalita, Dulal Chandra Boruah, Karabi Dutta and	Genotoxic Effect on Buccal Epithelial Cells of Betel Quid Chewers by	Asian Journal of Experimental Biological Sciences	4	491-494	2013

	Rajlakshmi Devi	Micronuclei Assay			
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8. DETAIL OF PATENTS:

S.No	Patent Title	Name of Applicant(s)	Application number	Agency/Country	Status
1	A method for preparing antimicrobial suture biomaterial and antimicrobial suture biomaterial obtained thereby	Ankita Hazarika, Himadri Kalita , Sanjeeb Kalita, Raghuram Kandimalla, Dipali Devi, Rajlakshmi Devi	201631039602	India	Final Patent applied
2	Novel antimicrobial suture biomaterial and a method for preparing the same	Himadri Kalita , Ankita Hazarika, Sanjeeb Kalita, Raghuram Kandimalla, Dipali Devi, Rajlakshmi Devi	201631039603	India	Final Patent applied
3	Antimicrobial suture biomaterial and a method for preparing the same	Himadri Kalita , Ankita Hazarika, Raghuram Kandimalla, Sanjeeb Kalita, Dipali Devi, Rajlakshmi Devi	201631039604	India	Final Patent applied
4	Cost effective antimicrobial suture biomaterial and a method for preparing the same	Ankita Hazarika, Himadri Kalita , Raghuram Kandimalla, Sanjeeb Kalita, Rajlakshmi Devi	201631039605	India	Final Patent applied
5	Method of preparing a herbal nutraceutical candy	Narayan Chandra Talukdar, Rajlakshmi Devi, Devasish Chowdhury, Raghuram Kandimalla, Sanjeeb Kalita, Momita Das, Himadri Kalita , Ankita Hazarika, Achyut Konwar	201831024616	India	Final Patent applied

9. BOOKS/REPORTS/CHAPTERS/GENERAL ARTICLES ETC.

SL. No	Title	Author's Name	Publisher	Year of Publication
1	Suture biomaterial: a wound closure device	Himadri Kalita	Ashok Publication	2017

10. PROJECTS APPROVED (AS PI):

1. **“Development of cost effective, biocompatible suture biomaterial from banana (*Musa balbisiana*) pseudostem in the field of veterinary research”**. Funded by DST-SERB under the scheme start up grant.
2. **“*In vivo* antihyperlipidemic property of thyronorm”**. Funded by ASTEC under the scheme Student Science Project.
3. **“Nutritional profile of broiler chicken and processed meat”**. Funded by ASTEC under the scheme Student Science Project.
4. **“To study the effect of *Lissachatina fulica* on the growth of *Labeo rohita*”** Funded by ASTEC under the scheme Student Science Project.

11. LIST OF CONFERENCES:

1. Organized Two-Day International Seminar on **“Climate Change: Impact and Resilience”** from 27th-28th February 2023 at Department of Zoology, Assam Don Bosco University Sonapur, Assam in collaboration with Zoological Society of Assam.
2. Presented paper on **“Banana fiber as a prospective novel functionalized suture biomaterial to combat surgical site infections”** in National Seminar held at Darrang College, Darrang on 18th and 19th November 2022. **(Best oral Presenter award)**
3. Presented paper on **“Fibers from agricultural waste: Novel suture biomaterial”** in national Conference in the GSES-2019 organized by Cotton University, Assam on 28th-29th June 2019.
4. Presented paper on **Antimicrobial suture biomaterial from *Philosamia ricini* (Eri silk) waste to combat postoperative wound infections”** in international conference INFES-2019 organized by EUDOXIA Research Centre on 23rd-24th February 2019.
5. Presented paper on **“Role of *Musa balbisiana* Colla in the treatment of metabolic syndrome: with special reference to diabetes”** in the Translational Research on Natural products for Therapeutic uses: North East Chapter held at IASST on 21 November 2017.
6. Presented paper on **“Novel antimicrobial suture biomaterial and a method for preparing the same”** in the 57th Annual Conference and International Symposium of Association of Microbiologist of India (AMI)-2016" held on 24th-27th November 2016.
7. Presented paper on **“*In vitro* activities of root juice of *Musa balbisiana* relevant to treatment of diabetes”** in the 21st ISCB International Conference 2015 at CDRI Lucknow.
8. Presented paper on **“Antioxidant, antityrosinase, total polyphenol content and nutrient composition of shoot and inflorescence juices of *Musa balbisiana* of North Eastern region**

of India” in the International Conference on Multidisciplinary Healthcare AIIMS at New Delhi, 2014.

9. Presented paper on “**Antioxidant activities and mineral composition of juices collected from different parts of *Musa balbisiana***” in international conference on harnessing natural resources for sustainable development: global trends organized by Cotton College, Guwahati on 29th January-31st January 2014.
10. Presented paper on “**Antidiabetic effect of root juice of *Musa balbisiana*: A traditional pharmaceutical agent**” in international conference on disease biology and therapeutics organized by IASST, Guwahati, on 3rd-5th December 2014.
11. Presented paper on “**Evaluation of medicinal properties of waste materials of *Musa balbisiana***” in National Seminar held at Dergaon Kamal Dowerah College, Dergaon on 18th and 19th January, 2013.
12. Presented paper on “**Ethnobotanical use of some medicinal plants for the treatment of diabetes in some parts of Nalbari district of Assam**” in National Seminar held at M.C.Collge, Barpeta on 17th and 18th February, 2012.

12. WORKSHOPS:

1. Attended a workshop on “**Bioinformatics Tools and techniques for gene and protein analysis**” organized by Guwahati University, Guwahati, on 22nd-25th November 2010.
2. Attended a workshop on “**Basics Bioinformatics**” organized by IASST, Guwahati on 18th-21st September 2012.
3. Attended a workshop on “**Let’s Talk Turtles**” organized by TSA at Assam Bon Bosco University on 2019.
4. Attended a workshop on “**Pedagogy for 21st century teaching and research-2019**” organized by IQSC cell of Assam Don Bosco University, Assam, 2019.

13. FACULTY DEVELOPMENT PROGRAM:

1. Completed 8 weeks online certificate course from NPTEL on “**Cell Culture Technologies**” funded by Ministry of HRD Govt. of India.
2. Completed 7 days Faculty development program on “**Essentials for Good Research**” organised by Faculty of Engineering and Technology Assam Down Town University.
3. Completed Faculty development program on “**Developing as an online practitioner**”.
4. Completed 28 days FDP organized by HRDC NEHU, Shillong from 10th January -8th February 2023.

14. AREA OF INTEREST:

Traditional knowledge, ethnicity, Nutrition, Medicinal plant, Protein biology, Disease biology, and Animal biology.

15. WORKING AREA:

Protein, Nutrition, Metabolic syndrome, Fatty acid, Biomaterial, and Wound healing

16. TECHNIQUE LEARNED: Western Blotting, Histopathology, GC-MS, Scanning Electron Microscopy