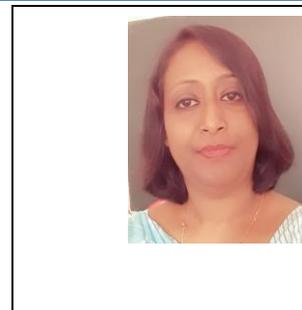


# FACULTY PROFILE

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## Personal Information:

**Name:** Dr.T.G.Devina  
**Designation :** Assistant Professor  
**Department:** Zoology  
Dergaon Kamal Dowerah College  
Rajabahar, Dergaon, Assam, Pin-785614  
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## Permanent Address:

Opposite Hazarika Bhawan, A.T.Road, P.O. RRL,  
Jorhat-785006, Assam

## Academic qualification:

[Ph.D.], [Department of Biotechnology, Gauhati University], [2002}  
[M.Sc.], [Department of Life-science, Dibrugarh University], [1992]  
[B.Sc.], [Department of Zoology, J.B.College, Jorhat, D.U.], [1990]  
[H.S.], [AHSEC-DCB Girls' College, D.U.], [1987]  
[ICSE],[Carmel School, Cinnamara][1985]

## Area of Specialization: Entomology

## Work/Teaching Experience:

1. Assistant Professor in department of Zoology, DKD College, Dergaon (2007- till date)
2. Lecturer in Luit Valley Academy, Junior College, Jorhat (2003-2004)

## Teaching responsibilities (current academic year):

1. 1<sup>st</sup> semester Major and Minor(NEP-FYUGP) Theory and Practical
2. 3<sup>rd</sup> semester Major and Minor(NEP-FYUGP) Theory and Practical
3. 5<sup>th</sup> semester Major and Minor(NEP-FYUGP) Theory and Practical
4. 1st semester SEC and GEC (NEP-FYUGP) Theory and Practical
5. 3rd semester SEC and GEC (NEP-FYUGP) Theory and Practical

### **Professional responsibilities/College committee assignments:**

1. Principal Investigator of Institutional Biotech Hub (Phase-II), DKD college, Dergaon
2. Convener, Health and Hygiene Cell
3. Convener, Research Monitoring Cell
4. Member of Finance committee
5. HoD of department of Zoology
6. Practical duty as External & Internal
7. Students excursion trip
8. Students educational trip to various organization such as AAU, Jorhat , NEIST RRL Jorhat

### **Other achievements/awards:**

1. Isolation and Identification of Novel Bacteria Inhabiting in the Digestive Tract of *Tetrodon cutcutia* Collected from the River Brahmaputra, Assam, India and identified by NCBI
  - a. DKDC1(GenBank: **KT304815.1**)
  - b. DKDC2(GenBank: **KU130397.1**)
  - c. Citrobacter(GenBank: **KU130398.1**)
2. Identification of two novel Probiotic Bacterial Strain and identified by NCBI
  - a) **IBH DKD1 (GenBank: KX683316.1)**
  - b) **IBHDKD2 (GenBank: KX668647.1)**
3. **Participated** in an **Educational tour to Kunming and Beijing , China** from 13-18 April, 2017

### **Research, Scholarly, Professional and Scientific Activity:**

1. **Participated** in the “Faculty Training & Motivation and Adoption of Schools and Colleges by CSIR Labs” organized by NEIST, Jorhat on 28<sup>th</sup> and 29<sup>th</sup> January 2010.
2. **Participated** in UGC sponsored National workshop on Audio- Visual Studies and Research organized by Audio-Visual study centre, J.B.College, Jorhat in collaboration with Satyajit Ray Film and Television Institute, Kolkata, UGC-Educational Multimedia Research centre, St. Xaviers’ College, Kolkata from 21-31 March 2011.
3. **Participated** in UGC sponsored Capacity Building of Women Managers in Higher Education Organized by DKD College, Dergaon from 9-13, 2011.
4. **Participated** in Short term Training in “Bioinformatics Application in Sequence analysis” organized by IBT Hub, J.B.College, Jorhat from 26-30 July, 2011
5. **Participated** in Inter College Chorus competition organized by Women Studies and development cell, Sibsagar College, Joysagar held on 17<sup>th</sup> May 2014.
6. **Participated** in the Women Convention, 2014 Women Cell, A.C.T.A. Assam organized by Kamargaon College, Kamargaon in collaboration with Golaghat Zone held on 27<sup>th</sup> September 2014.

7. **Participated** in workshop on Tissue culture conducted Institutional Biotech Hub, DKD College from 7-9 January 2015.
8. **Participated** in workshop on Biochemistry conducted Institutional Biotech Hub, DKD College from 23, 24 and 25 June, 2015.
9. **Participated** in the “Faculty Training & Motivation and Adoption of Schools and Colleges by CSIR Labs” organized by NEIST, Jorhat on 27-28 March 2018.
10. **Participated** in one week Faculty Development Programme on “Behavioral... of Teachers” organized by E & ICT Academy IIT Guwahati in association with DKD College, Dergaon from 22-27 April, 2019.

#### **Invited talks/lectures at professional or scientific meetings and conferences**

1. Delivered a talk at Don Bosco School, Dergaon
2. Delivered Talk at Bokakhat H S School

#### **Research presentations (oral or poster) at professional or scientific meetings and conferences**

1. **Participated** in the UGC sponsored National Seminar on “Bio-Piracy imminent threat to the conservation.....of the North Eastern region” held on 7 & 8 November 2008 organized by DKD College, Dergaon
2. **Participated** in UGC sponsored National workshop on Examination reforms held on 21-11-2009 organized by Department of Education, Tezpur College, Tezpur
3. **Participated** in the UGC sponsored National level workshop on Culture of Assam: As a favorite tourist attraction organized by Gargaon College, Sivasagar in collaboration with Tourist information office, Sivasagar from 15 to 17, 2010.
4. **Participated** in the UGC sponsored National seminar on” Rural Poverty and Nutritional Security : The present and ways forward” organized by Departments of Economics, Zoology, English and Botany,Bahona College, Jorhat.
5. **Presented** a Paper in the UGC sponsored National Seminar on “Management and Utilization of resources for Sustainable.... in N.E. India” organized by Department of Geography , Tezpur College, Tezpur.
6. **Co-Chaired** a session in the UGC sponsored National Seminar on “Management and Utilization of resources for Sustainable.... in N.E. India” organized by Department of Geography , Tezpur College, Tezpur
7. **Participated** in UGC sponsored National seminar on “Emerging Trends in Societal Formation:.... In North Eastern States of India” organized by DKD College, Dergaon on 6-7 December, 2011.
8. **Presented** a Paper in the UGC sponsored National Seminar on “Changing perspective of the Socio-Economic.... to North –eastern India” organized by DKD College, Dergaon from 2-3 November, 2012.
9. **Paper presented** titled “ Extraction of TTX from puffer fish (T.cutcutia) its purification and application” in UGC sponsored National seminar at N.N.Saikia College Titabor on 29<sup>th</sup> and 30<sup>th</sup> September 2014.

10. **Paper presented** titled “ Extraction of TTX from puffer fish (*T.cutcutia*) and its use as bipoesticides” in UGC sponsored International seminar at CottonCollege Guwahati on 29<sup>th</sup> and 31<sup>st</sup> January, 2014.
11. **Paper presented** titled “ Extraction of TTX from puffer fish (*T.cutcutia*) its purification and application” in UGC sponsored National seminar at Pragjyotish College, Guwahati on 29<sup>th</sup> and 30<sup>th</sup> September 2018.

#### **Any other publication (From 2014 onwards)**

1. T.G.Devina, T.Gogoi and J.K.Nath, “Extraction of Tetrodotoxin from puffer fish (*Tetrodon cutcutia*)and its effect on cockroaches (*Periplaneta Americana*)”, Journal of Life Sciences Vol. 3, Issue 2 (2014), Gale Document Number: GALE|A384440182
2. Nath, J.K., Khound, S., **Devina**, T.G. Isolation and Identification of Bacteria inhabiting in the Digestive tract of *Tetrodon cutcutia* collected from the River Brahmaputra, Assam, India. Research & Reviews: *A Journal of Toxicology*.6(2):13-16, 2016
3. Devina T G, Analysis of Protein and moisture content of two food plants of *Philosamia ricini*(Erisilkworm) Castor (*Ricinus communis*) and Kesseru (*Heteropanax fragrans*) during different seasons. Vol 2, Issue 10, pg no.131-133 Research Review International Journal of Multidisciplinary October 2017 e-ISSN: 2455-3085
4. **Devina** T G, Nath, J. K., Bora P, Goswami S, Dutta M. Isolation and Identification of Probiotic Bacterial Strain from Dry Fish (*Channa Punctatus*) *AJPS*. 3(3): 1-4, 2017 ISSN No.2455-1538
5. TG Devina, S.Goswami,M.Dutta, JK Nath, “Instrumental and Bio-analysis of Extracts of aeromonas sp.(DKDC1) found in Puffer fish and determined as TTX”, *International Journal of Research Studies in Biosciences* (IJRSB)Vol.7, Issue 2, 2019, PP 32-39, DOI: <http://dx.doi.org/10.20431/2349-0365.0702003>
6. TG Devina, S.Goswami Isolation and identification of probiotic bacterial strains from fermented Lemon. Research Review International Journal of multidisciplinary. ISSN 2455-3085(online)Issue-04April2019.(Peer reviewed)  
<https://old.rjournals.com/past-issue/2019/04/page/37/>
7. Instrumental & Bio-analysis of extracts of *Aeromonas* sp (DKDC1) found in puffer fish and determined as TTX. International Journal of research studies in biosciences(IJRSB) ISSN 2349-0365. DOI: <http://dx.doi.org/10.20431/2349-0365.0702003>
8. Estimation of protein of silk gland of *Philosamia ricini* reared in two food plants *Ricinus communis* and *Heteropanax fragrans* in two seasons. Research Review International Journal of multidisciplinary. ISSN 2455-3085(online)2021: 6(6): 52-57.  
<https://doi.org/10.31305/rrijm.2021.v06.i06.020>

#### **Book chapters published:**

1. Research in Life-sciences- editor Dr Minuara Begum. T.G.Devina and S.Goswami Anti- Bacterial activities of medicinal plants in human odor bacteria. Pg no. 281-286. ISBN: 978-81-947823-0-8
2. Lignocellulosic Biomass and enzymes- Fundamentals, Emerging Technologies and Applications. Editors: Rajeev Kumar Kapoor & Kalavathy Rajan.Metabolic Engineering of Fungi for enhanced Production of Lignocellulolytic enzymes. Tanushree Borgohain, Merilin Kakoti, Dibya Jyoti Hazarika, Ratna Kalita, Vinod Upadhyay, **T. G. Devina** and Robin Chandra Boro.ISBN: 978-981-96-3036-3 ISBN: 978-981-96-3037-0(ebook) Published by **Springer Nature Singapore**.  
<https://doi.org/10.1007/978-981-96-3037-0>

## Research projects (completed) as PI

Sl No.	Title of the project	Name of the funding agency	Grant amount	Duration
1	Major Research project “Extraction of TTX from puffer fish ( <i>Tetrodon cutcutia</i> ) and its use as Biopesticides”.	UGC	12,72,000/-	3 years (Ext. 1 year) 2013 to 2017 Completed in 2019

## Membership of professional bodies:

1. Assam Science Society
2. Zoological Society of India