

Dr. Devabrot Khanikor

Principal, Sonapur College

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Date of birth: 1966-01-01

Experience:

Sl.No	Duration	Designation
1	1990 - 03 to 2012 – 02	Associate Professor of Zoology <i>DKD College, Dergaon, Golaghat, Assam</i>
2	2012 - 02 to present	Principal <i>Sonapur College, Sonapur, Kamrup (M), Assam – 782402</i>

Education:

Sl.No.	Year	Exam and Board
	1980	H.S.L.C. from Board of Secondary Education, Assam
	1983	P.D.C from Dibrugarh University
	1986	B.Sc. in Zoology from Dibrugarh University
	1989	M. Sc in Life Science (Zoology), Dibrugarh University, Assam
	2000	Ph.D in Insect and Plant Biochemistry, Dibrugarh University, Assam

Awarded the degree of **Doctor of Philosophy** in Insect and Plant Biochemistry for the thesis entitled “**Some Biochemical Studies in the Fat Bodies of two Silkworm species (*Philosamia ricini* and *Antheraea assama*, Lepidoptera: Saturniidae) in Relation to Their Food Plants.**” by Dibrugarh University in 2000.

Additional Activities:

Teaching:

1. Joined as a lecturer in the Department of Zoology in D.K.D. College, Dergaon in March, 1990.
2. Joined as the Principal of Sonapur College in February, 2012.

Social and Others:

Engaged in Social and Welfare and Skill Development activities.

Member of different organizations at State, National and International Level.

Publications:

A number of research papers have been published in the International Journals of repute like Journal of *Lipid Mediators and Cell Signalling*, *Sericologia*, *Bio Science Research Bulletin*, etc.

A number of research papers have been published in the National Journals like Journal of *Environment & Ecology*, *Advances in Biosciences*, etc.

Have attended and presented a number of research papers in National and International conferences.

Various Articles in the Edited Books in the field of research and education have been published.

Chapters and Article in Book:

1. Published an article on “*Asomor Muga Silpa*” in the book “*Bijnan Bibhav*” Etdt by Dr. C.N.Saikia (2011)
2. Published an article on “*Bhuprithar Jaladhara*” in “*Jal Jyagias*”, an annual magazine, published from Dergaon, Assam
3. Published an article on “*Quest for Adolescence*” in “*Beekshaa*”, Journal of Golaghat Zone of ACTA, Vol. IV (2008-09)
4. Published a chapter on Food Plant Biochemistry and its role in growth and development of muga silkworm, *Antheraea assama* Ww. Pp. 88-10 in “*Muga Silkworm (Antheraea assama)*” Etdt by Dr. B.G.Unni, RRL, Jorhat, (2006)
5. Published an Article on “**Issues of Ethics in Organizations**” in the book “**Pertinent Perspectives – a bouquet of diverse thoughts**” Edited by Dr. M. Borah and H.R. Chutia (2015)
6. Published an biographical article in “**Bignan r niralokh sadhok – Dr. C.N. Saikia**” Edited by R. Pujari (2017)
7. Published an article on “**Bio-chemistry of Majankari, *Litsaea cubeba*, a secondary food plant of Muga silkworm, *Antheraea assama*, helper and its role in Seri-biodiversity conservation and Silk protein**”, Pp 73 – 91 in “**Traditional Knowledge Systems for Biodiversity Conservation in North Eastern Region of India**”, Edited by Dr. S.K. Nath and Dr. R. Nath (2015)

Research Project:

“To Study the Impact of Primary and Secondary Host Plants on Muga Silkworm, *Antheraea assama* with special reference to Silk Production” funded by UGC.

Publications:

At International level:

1. *J. Lipid Mediators and Cell Signalling*, 13(3):295-300, “*Lipid and fatty acid composition of muga silkworm, Antheraea assama host plants in relation to silkworm growth.*” (1996)
2. *Sericologia* 37(1):31-35, “*Studies on trehalase and trehalose content in the fat body, Silk gland, Haemolymph and head region of muga silkworm, Antheraea assama during spinning period.*” (1996)
3. *Bio-Sci. Res. Bull.* 17(2): 59-68, “*Influence of Lipid and fatty acid composition of eri (Philosamia ricini) host plants in relation to Lipid Metabolism in the fat body of silkworm during silk protein biosynthesis.*” (2001)
4. 2nd International conference on Wild Silkmoths, Nagama, Japan, “*Some biochemical studies/ aspects of muga silkworm, Antheraea assama Westwood.*” (1994).
5. VIth International Sericultural Cong, Bandung, Indonesia, “*Silk glands: Studies on some biochemical parameters in the muga silkworm, Antheraea assama during development.*” (1995).
6. IIIrd International Symposium on Molecular Science. Snowbird Utah, “*Biochemical and Ultrastructural studies on silk gland and brain of muga silkworm, Antheraea assama (Westwood) during developmental stages.*” (1998).
7. IIIrd International Conference on Wild Silk moths, Bhubaneswar, India, “*Biochemical and molecular aspects of Insect Hormones and Hormones Analogues on non-mulberry silkworm, Antheraea assama with respect to silk protein biosynthesis.*” (1998).
8. VIth Australian Applied Entomology Research Conference, Brisbane, Australia, “*Lipid and fatty acid mobilization in the fat body of non-mulberry silkworm Muga, (Antheraea assama) and Eri, (Philosamia ricini) during developmental stages.*” (1998).
9. XIth International Conference of Juvenile Hormone, Hebrew University, Rehovot, Israel, “*Effect of JH and JH like substance on some biochemical parameters in the silk gland of Muga silkworm, Antheraea assama (West wood).*” (1999).
10. International Conference on Recent Trends in Medicinal and Aromatic Plant Research (RTMSAPR) at Central University, Silchar, Assam, “*Bio-chemistry of ‘Majankari’, Litsaea cubeba, a food plant of Muga Silkworm, Antheraea assama and its role in Seri-biodiversity Conservation and Silk Protein Biosynthesis.*” (2010)
11. International Seminar on Global Warming, Climate Change vis-a-vis Management of Natural resources in North East India, “*Climate Change, Seri-Biodiversity and Biochemistry of Muga Silkworm, Antheraea assama food plants and its role in Silk Protein Biosynthesis*”(2010)

At National level:

1. *J. Environ. Ecol.*, 14(2):371-373, "Mineral composition of host plants of muga silkworm, *Antheraea assama* Westwood." (1998), ISSN-0970-0420
2. *Advances in Biosciences*, 17(1):89-98, "Biochemical aspects of protein biosynthesis in the fat body of muga silkworm, *Antheraea assama* during larval and spinning period." (1998), ISSN-2156-8456, EISSN-21568502
3. Proceeding of International Seminar on Global Warming, Climate Change vis-a-vis Management of Natural resources in North East India, "Climate Change, Seri-Biodiversity and Biochemistry of Muga Silkworm, *Antheraea assama* food plants and its role in Silk Protein Biosynthesis."

Full Papers in Conference Proceedings:

Sl. No	Title	Details of Conference Publication
1	<i>Variation of transaminase activities in the haemolymph and silk gland of Antheraea assama - A comparative biochemical study.</i>	Proc. (Ed. A.K.Rai) National Seminar on Life Sciences, Dibrugarh University, Dibrugarh: 13-18. 1994
2	<i>Some biochemical studies/ aspects of muga silkworm, Antheraea assama Westwood.</i>	Proc. 2nd International conference on Wild Silkmoths, Nagama, Japan, 1994
3	<i>Studies on trehalase and trehalose in the fat body, haemolymph, silk gland and head region of muga silkworm during spinning period.</i>	Proc. XIII National Symposium on Reproductive Biology and comparative Endocrinology, Osmania University, Hyderabad, 1995
4	<i>Biochemical and Ultrastructural studies on silk gland and brain of muga silkworm, Antheraea assama (Westwood) during developmental stages.</i>	Proc. IIIrd International Symposium on Molecular Science. Snowbird Utah, 1998
5	<i>Biochemical and molecular aspects of Insect Hormones and Hormones Analogues on non-mulberry silkworm, Antheraea assama with respect to silk protein biosynthesis.</i>	Proc. IIIrd International Conference on Wild Silk moths, Bhubeneswar, India. 1998
6	<i>Lipid and fatty acid mobilization in the fat body of non-mulberry silkworm muga, (Antheraea assama) and eri, (Philosamia ricini) during developmental stages.</i>	Vlth Australian Applied Entomology Research Conference, Brisbane, Australia, 1998
7	<i>Effect of JH and JH like substance on some biochemical parameters in the silk gland of muga silkworm, Antheraea assama (West wood).</i>	XIth International Conference on Juvenile Hormone, Hebrew University, Rehovot, Israel, 1998
8	<i>Food Plant Biochemistry and its role in growth and development of muga silkworm, Antheraea assama Ww.</i>	Ist National Seminar on Muga (<i>Antheraea assama</i>) silkworm Biochemistry, Molecular Biology and Biotechnology to improve silk production, RRL, Jorhat, 2004

9	<i>Healthy Practices in Higher Education institutions.</i>	National Seminar on Best Practices in Higher Education Institutions of North East India. 2007
10	<i>Utilizing Muga culture as a Natural Resource for Scio- Economic Development of Assam.</i>	Proceeding of UGC sponsored National Seminar on Harnessing Natural Resources towards the Scio - Economic Development of North East India. 2008
11	<i>Seri-Biodiversity Conservation and Biochemistry of muga silkworm, Antheraea assama Host Plants and its Role in Silk Protein Biosynthesis.</i>	Proceeding of UGC sponsored National Seminar on Biopiracy - Imminent threat to the Conservation of Bio - diversity and Bio-Prospecting of the Flora and Vegetation of the North Eastern Region. 2008
12	<i>Climate Change, Seri-Biodiversity and Biochemistry of Muga Silkworm, Antheraea assama food plants and its role in Silk Protein Biosynthesis.</i>	Proceeding of International Seminar on Global Warming, Climate Change vis-a-vis Management of Natural resources in North East India, at RIST, Meghalaya. 2010
13	<i>Bio-chemistry of 'Majankari', Litsaea cubeba, a food plant of Muga Silkworm, Antheraea assama and its role in Seri-biodiversity Conservation and Silk Protein Biosynthesis</i>	International Conference on Recent Trends in Medicinal and Aromatic Plant Research (RTMSAPR), Silchar, Assam. 2010

Presentation of Papers in Conferences/ Seminars/ Workshops etc.

Sl. No	Title of paper presented	Title of Conference/ seminar	Organized by	international/ national
1	<i>Climate Change, Seri-Biodiversity and Biochemistry of Muga Silkworm, Antheraea assama food plants and its role in Silk Protein Biosynthesis.</i>	International Seminar on Global Warming, Climate Change vis-a-vis Management of Natural resources in North East India, at RIST, Meghalaya. 2010	ERD Foundation with NEIST at Regional Institute of Science & Technology, Meghalaya	International
2	<i>Bio-chemistry of 'Majankari', Litsaea cubeba, a food plant of Muga Silkworm, Antheraea assama and its role in Seri-biodiversity Conservation and Silk Protein Biosynthesis</i>	International Conference on Recent Trends in Medicinal and Aromatic Plant Research (RTMSAPR), Silchar, Assam. 2010	Dept. of Life Science and Bio-informatics in collaboration with Bioinformatics Center, Assam University	International
3	<i>Impact of muga host plants on quality and quantity of the muga silk fibres of muga silkworms, Antheraea assama.</i>	62nd Annual Conference of Society of Biological Chemists (India). Madurai Kamaraj University, 1993	Society of Biological Chemists, India	National
4	<i>Variation of transaminase activities in the haemolymph and silk gland of Antheraea assama - A comparative biochemical study.</i>	National Seminar on Life Sciences, Dibrugarh University, Dibrugarh, 1994	Life Sciences, Dibrugarh University, Dibrugarh	National

5	<i>Biochemical studies of muga silkworm, Antheraea assama Westwood host plants and their role on muga silk protein biosynthesis.</i>	Annual Meeting of the Assam Science Society, Tezpur University, 1994	Tezpur University	State
6	<i>Some biochemical and neuroendocrinological aspects of muga silkworm, Antheraea assama: In vivo, in vitro studies.</i>	IIInd EAST Conf. Regional Research Laboratory, Jorhat, 1995	RRL, Jorhat	National
7	<i>Some biochemical aspects of protein biosynthesis in the fat body of muga silkworm, Antheraea assama during larval and spinning period.</i>	Conf Indian Society of Agri. Univ., 1996	Lacknow University	National Conference
8	<i>Food Plant Biochemistry and its role in growth and development of muga silkworm, Antheraea assama Ww.</i>	Ist National Seminar on Muga (<i>Antheraea assama</i>) silkworm Biochemistry, Molecular Biology and Biotechnology to improve silk production, 2004	RRL, Jorhat	National
9	<i>Healthy Practices in Higher Education institutions.</i>	National Seminar on Best Practices in Higher Education Institutions of North East India, 2007	DKD College, Dergaon, Assam	National
10	<i>The Prospect and Problems of Introducing Career Oriented Courses in the Colleges of Assam.</i>	National Seminar on Emerging Needs and Challenges of Resource Management in Higher Education Institutions of India with special reference to North East. 2008	Jaya Gogoi College, Khumtai	National
11	<i>Utilizing Muga culture as a Natural Resource for Scio-Economic Development of Assam.</i>	National Seminar on Harnessing Natural Resources towards the Scio - Economic Development of North East India. 2008	NNSaikia College, Titabor	National
12	<i>Wetland and Water Birds of Golaghat, Assam</i>	National Seminar on Harnessing Natural Resources towards the Scio - Economic Development of North East India. 2008	NNSaikia College, Titabor	National

13	<i>Seri-Biodiversity Conservation and Biochemistry of muga silkworm, Antheraea assama Host Plants and its Role in Silk Protein Biosynthesis.</i>	National Seminar on Biopiracy - Imminent threat to the Conservation of Bio - diversity and Bio-Prospecting of the Flora and Vegetation of the North Eastern Region, 2008	DKD College, Dergaon	National
14	<i>Peace Education in Higher Secondary Curriculum of Assam.</i>	National Seminar on Peace and Reconciliation: Exploring a Collective Identity, 2010	Furkating College, Golaghat	National
15	<i>Problems and Prospects in Introducing Semester System in the Colleges of Assam.</i>	National Seminar on Introduction of semester system in the colleges of Assam, 2010	Guwahati Commerce College	National
16	<i>Biochemistry of Muga silkworm, Antheraea assama Helper and the Food Plants – Its role in Seri-biodiversity Conservation</i>	National Seminar on Seri-Biodiversity of North East India and its Conservation and Prospects	Dhing College	National Conference

Training Courses, Teaching- Learning – evaluation Technology Programmes, soft Skill Development Programmes, Faculty Development Programmes:

Sl. No.	Programme	Duration	Organized by
1	National Seminar on Science Awareness and Popularization	2003	Indian science Congress Association
2	FDP on Vistas in Zoological Teaching	2008	IASc., INSA, NASI in collaboration with the University of Allahabad
3	Workshop on Conservation of Environment, Tea Tourism, and Man & Elephant Co-existence	2007	People and Science Society, Kaziranga
4	Faculty Training and Motivation and Adoption of Schools & Colleges by CSIR Labs.	2010	NEIST, Jorhat
5	Association with National Children Science Congress in various capacities		NCSTC-Network, New Delhi

Date: 26/04/2020


(Dr. Devabrot Khanikor)