

PROFORMA FOR BIODATA

1. **Name and full correspondence address** : **Dr. Dip Kumar Gogoi**
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3. **Institution** : Regional Sericultural Research Station-Eri BSF
4. **Date of Birth** : 29-07-1976
5. **Gender (M/F/T)** : Male
6. **Category (Gen/SC/ST/OBC)** : OBC
7. **Whether differently able (Yes/No)** : No.
8. **Academic qualification:**

#	Degree	Year	Subject	University/Institution	Grade (%)
01	B.Sc.	1997	Botany	Dibrugarh University Dibrugarh, Assam	I
02	M.Sc.	2000	Life Sciences (Microbiology)	Dibrugarh University Dibrugarh, Assam	I
03	PhD	2009	Microbial Biotechnology	Dibrugarh University Dibrugarh, Assam	Full time

9. **PhD thesis title, Guide's Name, Institution/Organization/University, Year of Award:**

Title	Guide Name	University	Year of award
Isolation and Screening of Microbes from Nambor Reserve Forest, Golaghat, Assam and Their Possible Applications in Agriculture and Industries	Dr. Tarun Ch. Bora Scientist-G (Retd.) CSIR-NEIST, Jorhat Assam	Dibrugarh University	2009

10. **Work experiences (In chronological order):**

#	Position held	Name of the institute	From	To	Pay scale (Rs.)
01	Scientist-D	RSRS-Eri BSF, CSB Koraput, Odisha	Sep' 2021	Till date	Rs. 81,200/- to 2,09,200/- Level-12 (7 th P. Comm.)
02	Scientist-D	CMER&TI, CSB, Lahdoigarh Jorhat, Assam	Jan'2020	Aug' 2021	Rs. 81,200/- to 2,09,200/- Level-12 (7 th P. Comm.)
03	Scientist-C	CMER&TI, CSB, Lahdoigarh Jorhat, Assam	Feb'2014	Dec' 2019	Rs. 15,600/- to 39,100/- BP: Rs. 6,600/-
04	Scientist-B	CMER&TI, CSB, Lahdoigarh Jorhat, Assam	Jun'2011	Feb' 2014	Rs. 15,600/- to 39,100/- BP: Rs. 5,400/-
05	Scientist-B	RERS, CSB, Mendipathar Meghalaya	Jan'2009	June'2011	Rs. 15,600/- to 39,100/- BP: Rs. 5,400/-
06	Research Assistant	Tea Research Institute-TRA Tocklai, Jorhat, Assam	Apr'2008	Dec'2008	Rs. 18,000/- (Consoldtd.)
07	SRF (CSIR)	CSIR-NEIST, Jorhat, Assam	Feb'2005	Mar'2008	Rs. 14,000/- (Fellowship)
08	JRF (DRDO)	DRL, DRDO, Tezpur, Assam	Feb'2003	Jan'2005	Rs. 12,000/- (Fellowship)

11. Professional Recognition/Award/Prize/Certificate, Fellowship received:

#	Name of award	Awarding agency	Year
01	Dr. S.N. Choudhury Memorial Award - Best Scientist Category	Central Silk Board-CMER&TI Lahdoigarh, Jorhat	2016-17
02	Certificate of Appreciation	National Workshop on Vanya Sericulture & Seri Biodiversity for Economic Upliftment (SeriBioEcon)	2018-19
03	Recognized Ph.D. Guide-ship	Dibrugarh University, Assam	2015
04	Senior Research Fellowship (SRF)	Council of Scientific & Industrial Research (CSIR), New Delhi	2005
05	Junior Research Fellowship (JRF)	Defence Research Development Organization (DRDO)	2003
06	Member of Review Board	Biological Spectrum of Northeast India	2021

12. Publications (List of papers published in SCI Journals, in year wise descending order)

#	Author(s)	Title	Name of Journal	Volume	Page	Year
01	J. Goswami, D. K. Gogoi, N. Rasid, B. K. Handique, G. Subrahmanyam, P. P. Bora, R. Das and P. L. N. Raju	Development of a Muga disease early warning system - a mobile-based service for Seri farmers	<i>Current Science</i>	121 (10)	1328-1334	2021
02	B. K. Pegu, D. Kardong, J. Chutia and D. K. Gogoi	Microbial naringinase and its applications in debittering technology – A mini review applications of microbial naringinase.	<i>Biosc. Biotech. Res. Comm.</i>	14 (2)	493-498	2021
03	B. K. Pegu, D. Kardong and D. K. Gogoi	Purification and characterization of α -L-rhamnosidases from <i>Bacillus amyloliquefaciens</i> -D1.:	<i>Asian J. of Biol. & Life Sci.</i>	10 (2)	455-458.	2021
04	B. K. Pegu, D. Kardong, P. Chetia, J. Chutia and D. K. Gogoi	Isolation and characterization of α -l-rhamnosidase producing bacterium, <i>Agrococcus</i> sp. bkd37, from a warehouse soil and partial optimization of its culture conditions.	<i>Applied Biological Research.</i>	22(3)	203-214.	2020
05	B. Sailaja, P. S. Rao, D.K. Gogoi, R. Kumar, K.M. Vijaya Kumari, S. Vidyunmala and R.K. Mishra	Development of Muga silkworm, <i>Antheraea assamensis</i> (Helfer) egg preservation schedule based on embryonic growth studies.	<i>Sericologia</i>	59 (2)	94-100	2019
06	S. Gandotra, A. Kumar, K. Naga, P M Bhuyan, D. K. Gogoi, S. Subramanian	Bacterial community structure and diversity in the gut of Muga silkworm, <i>Antheraea assamensis</i> (Lepidoptera: Saturniidae) from India.	<i>Insect Molecular Biology.</i>	27 (5)	603-619	2018
07	P. M. Bhuyan, S. P. Sandilya, P. K.	Optimization and characterization of	<i>Journal of Asia Pacific</i>	21(4)	1171-1181	2018

	09Nath, S. Gandotra, S. Subramanian, D. Kardong, D. K. Gogoi*	extracellular cellulase produced by <i>Bacillus pumilus</i> MGB05 isolated from midgut of Muga silkworm (<i>Antheraea assamensis</i> Helfer)	<i>Entomology</i>			
08	S. P. Sandilya, P. M. Bhuyan, D. K. Gogoi* and D. Kardong	P solubilization and plant growth promotion ability of rhizobacteria of <i>R. communis</i> L growing in Assam, India.	<i>Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci.</i>	88	959-966	2018
09	S. Gandotra, P. M. Bhuyan, D. K. Gogoi , A. Kumar, S. Subramanian	Screening of nutritionally important gut bacteria from the Lepidopteran insects through qualitative enzyme assays.	<i>Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci.</i>	88 (1)	329-337	2018
10	S. P. Sandilya, P. M. Bhuyan, Vijay N., D. K. Gogoi* and D. Kardong	Impact of <i>Pseudomonas aeruginosa</i> MAJ PIA03 affecting the growth and phytonutrients production of castor, a primary host plant of <i>Sami ricini</i> .. ISSN 0718-9516.	<i>Journal of Soil Science and Plant Nutrition</i>	17 (2)	499-515	2017
11	S.P. Sandilya, P. Dutta, P.M. Bhuyan, R. Debnath, K. Neog and D.K. Gogoi*	<i>Aeromonas caviae</i> CSB04, a causal organism of bacterial flacherie in Muga silkworm (<i>Antheraea assamensis</i> Helfer)	<i>Current Science</i>	112 (1)	32-34	2017
12	D.K Gogoi , S.P. Sandilya, P.M. Bhuyan, P. Dutta, K. Neog, L.S.K. Singh and T.C. Bora	Effect of submerged culture parameters on growth and antimicrobial activity of <i>Paenibacillus lautus</i> RRT AY-2, against some pathogens of <i>Antheraea assamensis</i> Helfer.	<i>Sericologia</i>	56(2)	103-116	2016
13	D. Chowdhury, B.K. Konwar, P. Baruah and D.K. Gogoi	Chemical composition of the essential oil of Karphul (<i>Etilingera linguiformis</i>)..	<i>Journal of Science and Environment Today</i>	1	1-5	2015
14	P.M. Bhuyan, S.P. Sandilya, D.K. Gogoi , K. Neog & S. Subramanian	Isolation and characterization gut-bacteria of muga silkworm (<i>Antheraea assamensis</i> Helfer) collected from different localities of Assam.	<i>Sericologia</i>	54 (1)	28-35	2014
15	S.P. Sandilya, A. Gogoi, P.M. Bhuyan and D.K. Gogoi*	Phosphatase Activity of Microbial Populations in Different Milk Samples in Relation to Protein and Carbohydrate Content.	<i>Notulae Scientia Biologica</i>	6(4)	465-469	2014
16	S. P. Sandilya, P. M. Bhuyan and D. K. Gogoi*	Seasonal variation of soil biological properties in Castor (<i>Ricinus communis</i> L.) cultivated soils: A possible index towards soil fertility.	<i>Research Journal of Agriculture and Forestry Sciences</i>	1(9)	1-7	2013
17	P. M. Bhuyan, S. P. Sandilya and D. K. Gogoi*	Phyllosphere Microflora of Muga Silkworm Host plant <i>Persea bombycina</i> Kost (Som) Leaves in Jorhat District of Assam, India.	<i>International Research Journal of Biological Sciences.</i>	2(12)	60-65	2013
18	K. Neog, B.G. Unni, P. Dutta, D.K. Gogoi and K. Giridhar	Variation in biochemical composition of different host plants of Muga silkworm, <i>Antheraea assamensis</i> Helfer.	<i>Sericologia</i>	53(3)	207-216	2013

19	R. Saikia , D.K. Gogoi , S. Mazumder, A. Yadav, R.K. Sarma, T.C. Bora, B.K. Gogoi	<i>Brevibacillus laterosporus</i> strain BPM3, a potential biocontrol agent isolated from a natural hot water spring of Assam, India. (Elsevier, UK).	<i>Microbiological Research</i>	166	216-225	2011
20	D K Gogoi , H P Deka Boruah, T C Bora & R Saikia	Optimization of parameters for improved secondary metabolite production by a novel endophytic fungus <i>Fusarium</i> sp. DF2 isolated from <i>Taxus wallichiana</i> of North East India.	<i>World J of Microbiology & Biotechnology</i>	24	79-87	2008
21	D K Gogoi* , S Mazumder, R Saikia and TC Bora	Impact of submerged culture conditions on growth and bioactive metabolite produced by endophyte <i>Hypocrea</i> sp. NSF-08 isolated from <i>Dillenia indica</i> . Linn of North-East India.	<i>Journal de Mycology Medicine</i>	18	1-9	2008
22	R Saikia, R Kumar, D K Arora, D K Gogoi & P Azad	<i>Pseudomonas aeruginosa</i> inducing rice resistance against <i>Rhizoctonia solani</i> : production of salicylic and peroxidases.	<i>Folia Microbiol.</i>	51(5)	375-380	2006
23	R Saikia, M Yadav, B P Singh, D K Gogoi , R Kumar & D K Arora	Role of Riboflavin in induced resistance against <i>Fusarium</i> wilt and charcoal rot disease of chickpea.	<i>The Plant Pathology Journal</i>	22 (4)	339-347	2006
24	R Saikia, M Yadav, B P Singh, D K Gogoi , T Singh & D K Arora	Induction of resistance in chickpea by cell wall protein of <i>Fusarium oxysporum</i> f. sp <i>Ciceri</i> and <i>Macrophomina phaseolina</i> .	<i>Current Science</i>	91 (11)	1543-1546	2006
25	H Deka, D K Gogoi , H K Gogoi & P J Handique	<i>In vitro</i> evaluation of antimicrobial properties of two species of genus <i>Gomphostemma</i> .	<i>Journal of Cell & Tissue Research</i>	6 (2)	787-791	2006
26	J. Baruwa, B. Kalita, N.C. Barua, J.C. Bora, S. Mazumder, D.Thakur, D.K. Gogoi and T.C. Bora	"Synthesis, absolute stereochemistry and molecular design of the new antibacterial and antifungal antibiotic produced by <i>Streptomyces</i> sp.201"	<i>Bioorganic & Medicinal Chemistry Letters.</i>	14	3571-3574.	2004
27	A. Kar, D.K. Gogoi , B. Rabha & H.K. Gogoi	<i>In vitro</i> evaluation of antimicrobial property of the stem with leaf extract of <i>Curranga amara</i> against human pathogenic microorganisms.	<i>Asian J. of Microbiol. Biotech. Env. Sc.</i>	7 (4)	759-762	2004

13. Details of Patents:

#	Patent title	Name of Applicant(s)	Patent No.	Award Date	Agency/Country	Status

14. Book/Reports/Chapters/General Articles etc.

#	Title	Author's Name	Publisher	Year of Publication
1	Muga Silkworm: An approach towards climate resilient sericulture for promoting sustainable development. In <i>Pollution and Environment</i>	P.M. Bhuyan, P. K. Nath, D. Kardong and D. K. Gogoi	Edited by Dr. S. Das (ISBN: 978-93-90847-02-0)	2021
2	The Streptomyces flora of Indo-Burma hot spot: Isolation and screening of Biological active metabolite.	D. Thakur, D.K. Gogoi , M. Dutta, M.K. Roy & T.C. Bora	Sri Publisher & Distributors, New Delhi. ISBN: 81-88658-54-5	2003

15. Major R&D Project handled as PI & CI:

#	Title of project	PI/CI	Funding agency	Duration
A	Concluded			
1	Development of technology for enhancing egg laying in Vanya Silk moths by application of host plant volatiles. (Code: APS-05001EF)	PI	DBT, New Delhi	2019-2021
2	Development of decision support system for early warning of selected muga silkworm diseases & pests with geospatial techniques. (Code: ARP-5874)	PI	CSB, Bangalore	2017-2019
3	Screening of Microbial Flora (Potential Biofertilizer) of Castor Rhizosphere and Development of INM Package in Ericulture. (Code: AIP-5861)	PI	DST, New Delhi	2012-2015
4	Molecular approaches in characterization and utilization of gut microflora from Muga Silkworm <i>Antheraea assamensis</i> for enhancing productivity of Muga culture in NE India. (Code: PRP-5862)	PI	DBT, New Delhi	2012-2015
5	Assessment of phytochemical diversity in Som (<i>Persea bombycina</i> Kost), the primary host plant of <i>Antheraea assamensis</i> from northeast India. (Code: PPA-5879)	CI	CSB, Bangalore	2015-2017
6	Molecular investigation into the lignocellulytic system of a few wild silk moths in Northeast India. (Code: AIT-05011EF)	CI	DBT, New Delhi	2019-2022
7	Adoption of improved technologies of Muga culture for sustainable elevation of cocoon production in the Tribel belt of Assam. (Code: APS-05002EF)	CI	DST, New Delhi	2018-2021
8	Role of hormesis in mitigating oxidative stress and its impact on growth and yield of Muga silkworm, <i>Antheraea assamensis</i> Helfer (Code: APR-5877)	CI	CSB, Bangalore	2015-2017
9	Development of seed preservation technology for muga silkworm <i>Antheraea assamensis</i> Helfer. (Code: APS-3612)	CI	CSB, Bangalore	2019-2020
10	Whole genome sequencing and functional	CI	CSB, Bangalore	2015-2018

	genomics of <i>Antheraea assamensis</i> Helfer". (Code: AIT-5872)			
B	Ongoing			
1	Evaluation of the performance of mulberry Genotype C-9 under red and laterite soils (Code: PIE-02002SI)	CI	CSB	2019-2023
2	Final yield trial of promising high yielding mulberry genotypes for Eastern and North-eastern India. (Code: PIB02010SI)	CI	CSB	2021-2023
3	All India co-ordinated experimental trial for mulberry varieties phase IV (AICEM-IV) (Code: PIC 13001MI)	CI	CSB	2019-2025
4	Popularization of improved sericultural technologies developed for Eastern and North-eastern India. (Code: MOE 02014)	CI	CSB	2022-2025
5	Evaluation of improved technologies developed in the field of Mulberry sector for Eastern and North-eastern India. (Code: MOE 02015)	CI	CSB	2022-2025
6	Exploration and adoption of novel Muga cocoon cooking technology for increasing its reelability and raw silk quality. (Code: CFC-5017MI)	CI	CSB	2021-2023

16. Any other Information:

PhD Student:

PhD awarded : Three (Dr. S. P. Sandilya, Dr. Pinky M. Bhuyan and Dr. Bhaba K. Pegu)
PhD pursuing : One

Seminar paper presented : 30 nos.

Gene sequence submitted (NCBI) : 100 nos. (Silkworm gut microflora)

Book/booklets compiled : "Vision Document" of CMER&TI, Lahdoigarh

