

CURRICULUM VITAE

Dr. Karobi Handique

Rangajan Hatichungi Gaon, P. O.- Rangajan, Pin code: 785630

District- Jorhat, Assam, India

Email- karobihandiquekh@gmail.com

Mobile no. – 7002551094



A. Career Objective:

Self motivated, hard working and goal oriented individual with a strong work ethic seeking a challenging and rewarding career in the field of research and teaching where my strong work ethics, education and skills can be used to make result oriented contributions towards the organization while developing and upgrading my skills and knowledge.

B. Personal details:

Date of birth	31/10/1995
Father's name	Bisaswar Handique
Permanent address	Rangajan Hatichungi Gaon, Pin code: 785630, P. O.- Rangajan, P. S. - Titabor, District: Jorhat, Assam, India
Email	karobihandiquekh@gmail.com
Mobile no:	7002551094
Marital status	Single
Sex	Female
Nationality	Indian
Religion	Hinduism
Interest	Travelling, Listening Music, photography, reading novels

C. Educational qualifications:

Degree	Year of passing	Institute	Board/University	Division	% or CGPA
Ph. D. (Horticulture)	2023	College of Agriculture, Jorhat	Assam Agricultural University	First class	8.58
M. Sc. (Horticulture)	2019	Biswanath College of Agriculture, Biswanath Chariali	Assam Agricultural University	First class with distinction	9.31
B. Sc. (Agriculture)	2017	Biswanath College of Agriculture, Biswanath Chariali	Assam Agricultural University	First class with distinction	7.88
HS	2013	Pragjyotika Jr. College, Titabor	AHSEC	First division	78.2%

HSLC

2011

Dholi High School,
Titabor

SEBA

First
division

70.5%

- **Title of the Ph. D. research:** Nutrient Integration and its effect on production, quality and shelf life of strawberry (*Fragaria X ananassa* Duchesne) under Assam condition.
- **Title of M. Sc. research:** Morpho-biochemical characterization of custard apple (*Annona reticulata*) grown in Brahmaputra Valley of Assam.

D. Publications:

Research papers:

1. Taku, K., Devi, N. S., Handique, K., Devi, H. D., Phookan, J. and Devi, N. B. (2025). Altitudinal variation in the morphological and biochemical traits of Khasi Mandarin (*Citrus reticulata* Blanco) in East Kameng District, Arunachal Pradesh. *Journal of Eco-friendly Agriculture*. 20(2):341-345.
2. Riram, B., Devi, N. S., Handique, K., Devi, H. D., Phookan, J. and Devi, N. B. (2025). Evaluating the performance of strawberry under different growing conditions: A multifaceted approach. *Environment Conservation Journal*. ISSN 0972-3099.
3. Saroj, N. L., Barua, P. C., Handique, K., Mishra, A., Kumar, V., Kishor, S., Kumar, L. and Bagra, G. (2025). Effect of different packaging materials and electrical conductance's on shelf life of strawberry (*Fragaria x ananassa* Duch.) cv. Winter Dawn under ambient storage condition. *Ecology Environment and Conservation*. 31(3):74-81.
4. Saroj, N. L., Barua, P. C., Handique, K., Sharma, S., Hazarika, J., Saha, S. and Bagra, G. (2024). Effect of Different Electrical Conductances and Vertical Hydroponics Systems on Yield and Yield Attributing Traits of Strawberry (*Fragaria x ananassa* Duch.) cv. Winter Dawn. *Ecology Environment and Conservation*. Pp. S84-S90.
5. Devi, N. S., Hatibarua, P., Handique, K., Devi, N. B., Goswami, S. and Das, K. (2024). Standardization of packaging technique(s) for the distant marketing of *Rhynchostylis retusa*. *Environment Conservation Journal*. 25(2): 581-587.
6. Deka, B., Hazarika, J., Borthakur, P. K., Kotoky, U., Saikia, A., Kalita, P., Gogoi, B., Goswami, S., Hazarika, B. and Handique, K. (2024). Influence of crop geometry, fruit thinning and nutrient management on yield and yield related attributes of watermelon (*Citrullus lanatus* Thumb.). *International Journal of Environment and Climate Change*. 14(1): 443-452.
7. Deka, B., Handique, K., Borthakur, P. K., Kotoky, U., Saikia, A., Kalita, P., Gogoi, B., Goswami, S., Hazarika, B. and Hazarika, J. (2024). Effect of crop geometry, fruit thinning and nutrient management on growth parameters of watermelon (*Citrullus lanatus* Thumb.). *International Journal of Advanced Biochemistry Research*. 8(1): 101-106.
8. Handique, K., Barua, P. C., Saroj, N. L., Saikia, K., Kotoky, U., Dutta, S., Sharma, S., Deka, B., Datta, H. S. and Das, K. (2023). Influence of integrated nutrient management on growth parameters of strawberry (*Fragaria x ananassa* Duch.) cv. sweet Charlie under Assam condition. *The Pharma Innovation Journal*. 12(12): 1783-1786.

9. Hazarika, M., Saikia, J., Gogoi, S., Kumar, P., Handique, K., Patel, S. S. and Barooah, L. (2023). Effect of Different Seedling Growing Media on Tomato and Cabbage Seedling. *International Journal of Plant & Soil Science*. **35**(22):359-372.
10. Devi, N. S., Hatibarua, P., Jamja, T., Devi, N. B., Handique, K., Kaman, P. K., Goswami, S. and Das, K. (2023). Effect of nanoparticles and sucrose on enhancing the vase life of *Rhynchostylis retusa*. *Agricultural Mechanization in Asia*. **54**(10):15942-15952.
11. Kodak, T., Hazarika, M., Handique, K., Patel, S. S. and Siram, S. (2023). Comparison between direct sowing and transplanting methods of carrot (*Daucus carota* L.) using Biofertilizer with different doses at Namsai District of Arunachal Pradesh. *The Pharma Innovation Journal*. **12**(7):461-463.
12. Siram, S., Hazarika, M., Handique, K., Patel, S. S. and Kodak, T. (2023). Effect of Integrated Nutrient Management on growth and yield of Radish (*Raphanus sativus* L.) variety Pusa Chetki long at Namsai district of Arunachal Pradesh. *The Pharma Innovation Journal*. **12**(6):5203-5207.
13. Handique, K. H., Hazarika and D. N., Langthasa. (2022). Biochemical Characterization of Custard Apple (*Annona reticulata*) Grown in Brahmaputra Valley of Assam. *Environment and Ecology*. **40** (4C): 2591-2595.
14. Handique, K. H., Hazarika, D. N., Langthasa, S., Khanikar, H. B. and Deori, G. D. (2022). Morphological characterization of custard apple (*Annona reticulata*) grown in Brahmaputra valley of Assam. *The Pharma Innovation Journal*. **11**(5):684-688.

Books:

1. Sharma, S., Baraiya, A., Bura, S., Dhakad, A. and Handique, K. (Eds.). (2023). *New Horizons and Advancements in Horticulture Volume 1*. Stella International Publication (ISBN: 978-81-968479-3-7)
2. Shekhawat, C., Kumar, V., Verma, N. and Handique, K. (2024). *Growing of Major Fruit Crops*. The Pustakalaya Publication (ISBN: 978-93-91900-86-1)

Book Chapters:

1. Handique, K., Devi, N. S., and Hazarika, M. (2024). Robotics in Agriculture. In *Smart Agriculture: Digital Era in Farming* (1st edition). Elite Publishing House, New Delhi. pp 277-283. (ISBN: 978-93-58996-80-7)
2. Gadi, Y., Longkho, K., Handique, K., Devi, N. S., Sentimenla and Ariina, M. M. S. (2024). Millets and Sustainable Agriculture. In *Millets at a Glance*. Akinik publication, Delhi. pp 41-55. (ISBN: 978-93-6135-222-5)
3. Longkho, K., Handique, K., Barman, H. and Bora, R. (2023). Breeding Strategies for Disease Resistance Vegetables Varieties. In *Recent Trends and Development in Vegetable Science* (Volume 1). Stella International Publication, Haryana. pp 140-164. (ISBN: 978-81-966924-4-5)

Articles:

1. Devi, H. D., Handique, K., Longkho, K. and Singh, K. R. (2025). Invasive pest-fall Armyworm, *Spodoptera frugiperda* (Lepidoptera: Noctuidae) in India: their present status. *Agriculture & Food E-Newsletter*, 7(3): 118-120.

2. Handique, K., Longkho, K. and Devi, H. D. (2025). Dragon fruit cultivation: a strategy to boost farmer's income. *AgriGate Magazine*, 5(1): 837-841.
3. Deka, S. M., Handique, K., Kandali, R. and Baishya, S. (2024). Biofortification strategies: enhancing crop nutrition to combat global malnutrition. *Agri-India TODAY*, 4(7): 48-52.
4. Handique, K., Saroj, N. L., Longkho, K. and Deka, S. M. (2024). Manipulating the ripening process in fruits through PGRS and its implication on commercial horticulture. *Just Agriculture*, 4(10): 237-243
5. Saroj, N. L., Handique, K., Ram, S., Patel, A. and Hazarika, J. (2024). Canopy management in fruit crops. *Just Agriculture*. 4(9): 49-57.
6. Saroj, N. L., Patel, A., Handique, K., Ram, S. and Hazarika, J. (2024). Vegetable grafting for disease resistance and increased productivity. *Agri Articles*, 4(2): 447-451.
7. Saroj, N. L., Hazarika, J. and Handique, K. (2023). Prakriti ki anmol den ebam aushadhiya guno se bharpur Ghritakumari (Gwarpatta) ki adhunik kheti paddhati. *Madhya Bharat Krishak Bharati*, ISSN:2582-5979: Vol 18, Issue 08.
8. Saroj, N. L., Handique, K. and Hazarika, J. (2023). Krishi technique dwara Ashwagandha ki safal kheti. *Krishi Kumbh*:e-Newsletter;e-ISSN: 2582-9769: Vol 03, Issue 05.

Technical bulletins

1. Some major fruit crops and their varieties, July, 2023
2. Dragon fruit cultivation, August, 2023
3. Integrated nutrient management, October, 2023
4. Smart fertilizer as a strategy for sustainable agriculture, November, 2023

E. Trainings/Seminar/webinar/workshop/conference attended:

Month/year	Seminar/webinar/workshop/conference etc.
10 th - 12 th January, 2020	National citrus meet-2020 organized by ICAR-Central Citrus Research Institute, Nagpur
9 th – 16 th March, 2021	Skill development workshop on “ Molecular Biology in Plant Pathogenesis and Disease management ” organized by Dept. of Plant Pathology, AAU, Jorhat in collaboration with NAHEP
25 th March, 2021	National webinar on “ Genome Editing in Agriculture: current status and prospects ” organized by NAHEP
26 th April- 1 st May, 2021	National Workshop on “ Microbial Biotechnology in Agriculture and Industry ” organized by DBT-NECAB
8 th - 19 th February, 2022	Training on “ Skill in Handling and Management of Agrochemicals and their impact on Health and Environment after 75 years of Independence ” organized by Department of Entomology in collaboration of Department of Biochemistry and Agricultural Chemistry, Assam Agricultural University, Jorhat

1 st August, 2023	International webinar on “ Climate-Smart & Nutritionally Enriched Australian GM Chickpea ” organized by Department of Crop improvement, Faculty of Agricultural Sciences, Arunachal University of Studies, Namsai
20 th - 22 nd November, 2023	3 days International training cum workshop on “Agripreneurship: Opportunities and current challenges” organized by Agriculture Forum for Technical Education of Farming Society (AFTES) and VITAL BIOTECH
11 th - 17 th June, 2024	7 Days online training on “Horti Harvest: Unveiling Horticultural Mastery and Innovation (HH: UHM)” organized by Society for the Advancement of Agricultural, Horticultural and Allied Science (SAAHAS), Kurukshetra, Haryana
1 st - 21 st June, 2024	21 Days Summer School Training Program on “Farm to Table: Exploring Agricultural Sustainability” organized by University of Agricultural Sciences Raichur, Karnataka; Atal Bihari Vajpayee Vishwavidyalaya, Bilaspur, Chattisgarh; Agriculture Forum for Technical Education of Farming Society (AFTES) and VITAL BIOTECH, Kota
10 th and 11 th March, 2025	National conference on Agriculture, Environment and Sustainable Development (NCAESD-2025) organized by the department of Horticulture and department of Agricultural Engineering, Rajiv Gandhi University, Arunachal Pradesh, India
7 th - 9 th May, 2025	2 nd international conference on “ Data Driven AI ” organized by The Assam Kaziranga University, Jorhat, Assam
1 st – 7 th May, 2025	Short term course on “ Research Methodology for all subjects under Malaviya Mission Teacher Training Programme (MMTTP) of University Grant Commission (UGC) organized by UGC- Malaviya Mission Teacher Training Centre, Banaras Hindu University, Varanasi, UP

F. Awards and fellowship received :

- 2011, Received **Anundorum Borooah Award** by State Govt., Assam during HSLC
- 2017-2019, Received **State Merit Scholarship** by State Govt., Assam during M. Sc. (Agriculture)
- 2019-2020, Received **Bayer’s Fellowship** during Ph. D. (Agriculture) in the Dept. of Horticulture
- 2020-2023, Received **State Merit Scholarship** by State Govt., Assam during Ph. D. (Agriculture) in the Dept. of Horticulture
- 2023, Received “**Young Women Scientist Award**” in 5th international conference “Global Insights on Research and Development in Agriculture, Horticulture and Allied Sciences” organized by G. H. Rasoni University, Saikheda (MP), Just Agriculture Education Group and AEEFWS, Chandigarh at G. H. Rasoni University, Saikheda (MP)

G. Work experience:

Post held	Institution	Period
Assistant Professor	Faculty of Agricultural Sciences Arunachal University of Studies, Namsai, Arunachal Pradesh	1 st May, 2023- 11 th October, 2025
Assistant Professor	School of Agriculture and Allied Sciences, Girijananda Chowdhary University, Tezpur campus	22 nd November, 2025- Present

Key responsibilities**1. Teaching****List of courses taught**

Sl. No.	Subject	Credit hours
	B. Sc (Hons) Agriculture	
1.	Fundamentals of Horticulture	2(1+1)
2.	Production technology for fruit and plantation crop	3(2+1)
	M.Sc. Horticulture (Fruit Science)	
1.	Tropical Fruit Production	3(2+1)
2.	Sub-tropical and temperate fruit production	3(2+1)
3.	Post-Harvest Technologies for Fruit Crops	3(2+1)
4.	Canopy Management in fruit crops	3(2+1)
5.	Propagation and nursery management of fruit crops	3(2+1)
6.	Growth and development of Horticultural crops	3(2+1)
7.	Biodiversity and conservation of fruit crops	3(2+1)
8.	Climate management in horticultural production	3(2+1)
9.	Organic horticulture	3(2+1)
	Diploma Agriculture	
1.	Introduction to Horticulture Practices	2(0+2)
2.	Cultivation practices of fruits and vegetables	3(2+1)

2. Research

a. Students guided as Major Advisor

Sl. No	Name	Enrollment No.	Title of thesis
1.	Narmi Takuk	ACCA590815	Influence of different growing media on growth and yield of Strawberry (<i>Fragaria x ananassa</i> Duch.) under Namsai condition
2.	Yarkom Yangfo	ACDA590637	Influence of micronutrients on growth, yield and quality parameters of Strawberry (<i>Fragaria x ananassa</i> Duch.) cv. Sweet Charlie

b. Students guided as Co-Major Advisor

Sl. No	Name	Enrollment No.	Title of thesis
2.	Jeebie Tacho	ACCA590666	Identifying morphological and biochemical diversity of khasi mandarin in Arunachal Pradesh

c. Members of the advisory committee

Sl No	Name	Enrollment no.	Title of thesis
1.	Sumpi Siram	ACBA580301	Effect of INM on growth and yield of radish at Namsai district of Arunachal Pradesh
2.	Tania Kodak	ACBA580303	Comparison between direct sowing and transplanting methods of carrot (<i>Daucus carota</i> L.) using biofertilizer with different doses at Namsai District of Arunachal Pradesh
3.	Bomdak Riram	ACCA590691	Evaluation of strawberry under different growing systems in Namsai district
4.	Kashmir Taku	ACCA590646	Quality evaluation of khasi mandarin in different agroclimatic zone of East Kameng district of Arunachal Pradesh
5.	Khoda Monio	ACDA580266	Performance evaluation of different varieties of Radish (<i>Raphanus sativus</i> L.)
6.	Nyolih Wangsu	ACDA580409	Performance evaluation of different varieties of French bean (<i>Phaseolus vulgaris</i> L.)
7.	Khahwang Wangjen	ACDA580409	Studies on performance evaluation of different varieties of Spinach (<i>Spinacea oleracea</i> L.)

3. Practical manuals prepared for B.Sc. (Hons) Agriculture programme

Sl. No.	Course name
1	Fundamentals of Horticulture
2	Production technology for fruits and plantation crops
3	Post-Harvest Management and Value Addition of Fruits and Vegetables
4	Protected Cultivation
5	Production technology for vegetables and spices
6	Production technology for ornamental crops, MAPs and landscaping

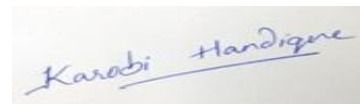
H. **Computer skill:** M. S. Office, Adobe Photoshop

I. **Organizational/Managerial skills:**

- Mess auditor for UG Hostel (Hostel 1, BNCA, AAU) (2015-2016)
- Mess secretary for PG Hostel (Hostel 3, BNCA, AAU) (2017-2018)
- Mess secretary for PG-Ph. D. Hostel (Hostel 3, AAU) (2020-2021)
- Assistant monitress for PG- Ph. D. Hostel (Hostel 3, AAU) (2021-2022)

DECLARATION:

I, **Karobi Handique**, hereby declare that the information given by me is true and accurate to the best of my knowledge.



Karobi Handique

Date: 08/11/2025

Place: Jorhat