

DETAIL CURRICULUM VITAE OF DR. PALLABI KALITA HUI



Name : **DR. PALLABI KALITA HUI, M.Sc., Ph.D**

Designation : Assistant Professor (Grade-I at Level 12 of pay matrix, 8000 AGP)

Organization : Department of Biotechnology, NIT Arunachal Pradesh

Nationality : INDIAN

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Permanent Address : C/o Mr. Prafulla Kalita, Bharati Press, L. B. Road, Tezpur, Pin-784001, Dist-Sonitpur, Assam

Education : **B.Sc. (Hons), M.Sc., Ph.D** (Nutritional Biochemistry)

Area of Research:

- Food and Nutritional Biochemistry, Phytochemistry and Drug Discovery
- Ethnopharmacology and Molecular Characterization of Wild Food and Medicinal Flora of Eastern Himalaya
- Survey of Food and medicinal plants targeting their secondary metabolites emphasizing some Chronic diseases of India
- Development of Anti-cancer drug formulations using herbal approach
- Preparation of Nutritional Fruit Wine

Professional Status:

Sl. No.	Name of Employer	Designation of Post	Duties Performed	Period		Pay Scale	Remarks
				From	To		
a. Teaching							
1	NIT Arunachal Pradesh	Assistant Professor	Teaching, Research, Administrative	24/06/2019 (appointed) Still continuing		Grade-I at Level 12 of pay matrix,	

					8000 AGP	
2	NIT Arunachal Pradesh	Assistant Professor	Teaching, Research, Administrative	24/06/2015 (joined) to 23/06/2019	Grade-III at Level 10 of pay matrix, 6000 AGP	
3	NIT Arunachal Pradesh	Guest Lecturer	Teaching	October 2013 to December 2013, July 2014 to December 2014	Rs. 30,000 (Fixed)	
4	Rajiv Gandhi University, Arunachal Pradesh	Part-Time Lecturer	Teaching	November 2002 to December 2003	Rs. 8,000 (Fixed)	
5	Darrang College, Tezpur	Part-Time Lecturer	Teaching	November 1999 to February 2001	Rs. 1,500 (Fixed)	
b. Research						
1	Higher plant Division, Department of Botany, Rajiv Gandhi University and Department of Biophysics and Crystallography, University of Madras	Research Associate (RA)	Research, Teaching	12 th December 2013 to 23 rd June 2015	Rs. 22,000+10% HRA	
2	Ministry of Highway and Surface Transport, GOI, being implemented by State PWD and MOEF, Govt. Of Arunachal Pradesh through G.B.Pant Institute of Himalayan Environment and Development (GBPIHED), Itanagar	Project Officer	Research	2 nd May 2012 to 2 nd September 2012	Rs.30,000	
3	Department of Science and technology, New Delhi	DST Woman Scientist (WOS-B)	Research	25.09.2008 to 25.09.2011	Rs. 15,000	

Patent

Granted: 02 Applied: 01

Patent :1

Title: A PROCESS FOR ISOLATION OF FLAVONOID COMPOUND/ "RUTIN" FROM PLANT SPILANTHES PANICULATA

1. Patent No. : 372058
2. Application No. : 201731033794
3. Date of Filing : 23/09/2017
4. Date of Grant: 16/07/2021

Patent: 2

Title: A PROCESS FOR ISOLATION AND YIELD INCREASE OF FLAVONOID COMPOUND/QUERCETIN FROM PLANT HOUTTUYNIA CORDATA THUNB BY UV-B EXPOSURE

1. Patent No. : 2021103279
2. Application No. : 202131017804
3. Date of Filing : 16/04/2021
4. Date of Grant: 14/07/2021

Patent: 3

Title: ACID NEUTRALIZING EFFERVESCENT GRANULES CONTAINING HERBAL EXTRACT OF *Zanthoxylum oxyphyllum* (EDGEW) AND METHOD FOR PREPARATION THEREOF

1. Patent No. : 202231039829
2. Date of Filing : 11/07/2022

Projects/ Consultancy etc

Sponsored Projects Undertaken:

Sl. No.	Title of Project	Sponsoring Agency	Grant Amount	Period		Your Role
				From	To	
1	"Evaluation of Nutritional Potential of Aquatic and food plants of Arunachal Pradesh for the formulation of Fish Feeds"	DST	Rs. 9, 21,547	25.09.2008 to	25.09.2011	Woman Scientist (WOS B) and Principal Investigator (PI)
	"Survey and validation studies on local food and medicinal	MOEF	Rs. 16,06000	31 st March 2016		Principal

2	bioresources of Kameng and Tawang Districts of Arunachal Pradesh for supplementary rural Livelihood Security”			and completed	Investigator (PI)
3	“Biochemical and pharmacological evaluation, molecular characterization of <i>Paris polyphylla</i> Smith (Melanthiaceae) landraces from Eastern Himalayan Region of India for addressing livelihood issues”	DST	Rs. 36,91,238	22 nd March 2017 and completed	Principal Investigator (PI)
4	“Phytochemical, Pharmacognostic and Nutritional characterisation of the <i>Panax</i> species (Araliaceae) from the Eastern Himalayan Region, India for Addressing Medicinal, Trade and Regional Livelihood Security Issues”	DBT	Rs. 47,47,000	January 2017 and completed	Principal Investigator (PI)
5	Effect of biochar-vermicompost enriched with methanogenic bacteria on the productivity of <i>Houttuynia cordata</i> Thunb.	NIT AP Teqip III	Rs. 2,00,000	September 2019 And completed	Principal Investigator (PI)
6	Evaluation of Biochemical, Pharmacological characterization of preclinical purity, safety and potency of <i>Paris polyphylla</i> , an ethnomedicinal plant from Arunachal Himalayas against breast cancer	DST Serb	Rs. 47,47,732	7 th July, 2022 (Ongoing)	Principal Investigator (PI)
7	Centre for skill development in appropriate technologies at National Institute of Technology Arunachal Pradesh	DST NECT AR	Rs. 140000000 (fourteen crores)	November 2020 (Ongoing)	Co PI

Research Guidance:

Ph.D. Thesis guided/ continuing:

Sl. No.	Title of Thesis	Name of the Student	Year of Joining	Year of Completion
1	Biochemical and pharmacological evaluation, molecular characterization of <i>Paris polyphylla</i> Smith (Melanthiaceae) landraces from Eastern Himalayan Region of India for addressing	Mr. Debmalya Das Gupta	2016	Continuing (PI)

	livelihood issues			
2	Evaluation of Phytochemical, Pharmacological and Biological Activities of <i>Houttuynia cordata</i> Thunb. : A Traditional Nutraceutical Herb of North East India	Mr. Sanjib Kumar Das	2017	Completed (PI)
3	Phytochemical, Pharmacognostic and Nutritional characterisation of the <i>Panax</i> species (Araliaceae) from the Eastern Himalayan Region, India for Addressing Medicinal, Trade and Regional Livelihood Security Issues	Mr. Dipayan Paul	2017	Continuing (PI)
4	Evaluation of protective effect of methanolic extract of <i>Smilax glabra</i> and <i>Bergenia ciliate</i> rhizome on L-arginine induced acute pancreatitis in albino mice	Mr. Tridip Jyoti Das	2019	Continuing (PI)
5	Phytochemical, Pharmacological and Nutritional characterisation of <i>Hydrocotyle javanica</i> and <i>Actinidia deliciosa</i> distributed in Arunachal Pradesh	Ms. Anjini Bellai	2020	Continuing (PI)
6	Subject Area: Medicinal Plants	Ms. Ampy Taring	2021	Continuing (PI)
7	Subject Area: Breast Cancer	Mr. Tanzim Nishad Ullah	2022	Continuing (PI)
8	Self healing of concrete with bacteria and bamboo dust	Arup Kumar Das	2019	Continuing (Co-PI)

PhD Degree Awarded:

Title: Evaluation of Phytochemical, Pharmacological and Biological Activities of *Houttuynia cordata* Thunb. : A Traditional Nutraceutical Herb of North East India

Name of the PhD student: Dr. Sanjib Kumar Das

M. Tech/ M. Phil Thesis guided:

Title of Thesis	Name of the Student	Year of Joining	Year of Completion
Application of chromatographic and spectrophotometric techniques for elucidation of bioactive compounds in plants	Ms. Panchali Borthakur	7 th August, 2016	7 th June, 2018

B. Tech Thesis guided:

Title of Thesis	Name of the Student	Year of joining	Year of completion
1. Phytochemical and Nutritional Characterization of <i>Houttuynia cordata</i> available in Arunachal Himalayas	Arshad Khan Pato Karbak	July,2014	May,2018
2. Docking and virtual screening to identify phytochemical inhibitors of vascular endothelial growth factor receptor 2 from selected medicinal plant species of Arunachal Pradesh	Arbin Nath	July,2015	May,2019
	Kidar Ete	July,2015	May,2019
3. Elucidation of Mechanism of anti-bacterial action of methanolic extract of <i>Houttuynia cordata</i> collected from Arunachal Pradesh-India	Kusum Kumari	July,2015	May,2019
	Smriti Sinha	July,2015	May,2019
4. An in-silico Approach to Identify Phytochemical inhibitors of Human Epidermal growth factor receptor 2 from selected medicinal plant species of Arunachal Pradesh	Md. Anwar Alam	July,2015	May,2019
	Aarab Gates	July,2015	May,2019
5. Mechanism of antibacterial activity of <i>Panax Sikkimensis</i> , an ethno-medicinal plant of North-East India	Shailesh Kumar	July,2015	May,2019
	Durganand Ram	July,2015	May,2019
6. Genetic Transformation Studies In <i>Ophiorrhiza rugosa</i> Wall. With Geraniol-10-Hydroxylase	Akanksha Mudgal	July, 2016	May, 2020
7. Preliminary pharmacognostic studies, proximate and mineral analyses of the herbal extracts of <i>Coptis teeta</i> Wall. and <i>Tylophora indica</i> (Burm.f.) Merr. found in the Eastern Himalayas of India	Anjini Bellai	July, 2016	May, 2020
8. Preliminary phytochemical, antioxidant and nutritional analyses of the methanolic leaves extract of <i>Houttuynia cordata</i> Thunb.	Lige Nyudo	July, 2016	May, 2020
9. Pharmacognostic, proximate and nutritional analysis of <i>Clerodendrum glandulosum</i>	Lisa Ghosh	July, 2016	May, 2020

Lindl. found in the Arunachal Himalayas, India			
10. In silico approach against VEGFR-2 receptor from <i>Houttuynia cordata</i>	Onima Taki and Khushboo Bhagat	July, 2017	May, 2021
11. KIWI FRUIT(<i>Actinidia Deliciosa</i>) Wine	Nyardi Dakpe	July, 2016	May, 2022
12. An in-silico approach to screen HER2 targeted anti-breast cancer phytocompounds from <i>Dillenia indica</i> (Outenga): A nutraceutical plant of North East India	Moumita Doloi	July, 2018	May, 2022
13. Identification of HER2 targeted anti-breast cancer phytocompounds from <i>Hydrocotyle javanica</i> through molecular docking	Suraj Das	July, 2017	May, 2022
14. Identification of anti-inflammatory phytocompounds present in <i>Lagdera Crispata</i> through molecular docking	Saumya Bharti	July, 2018	May, 2022
15. Identification of HER2 targeted anti-breast cancer phytocompounds from <i>Actinidia deliciosa</i> through molecular docking	Awanti Choudhary	July, 2018	May, 2022

MoU with GIFU University Japan:

A Memorandum of Understanding is being signed under Collaborative Research Agreement is made and entered into as of the 1st July, 2020, between Phytochemistry Lab, National Institute of Technology Arunachal Pradesh, India and Tokai National Higher Education and Research System Gifu University, Japan.

Awards/Fellowship

National Fellowship Awarded (2008):- 01

- Fellowship awarded by the Department of Science and Technology (DST), Government of India, New Delhi under the “**Women Scientist Scholarship Scheme for Societal Programmes (WOS-B) (2008)**”. Stood Eight (8th) Rank out of 155 candidates screened in from all over India and first (1st) rank in North East India.

Overseas Conference Fellowship Received: - 02

- UGC-RGU sponsored Overseas Conference Fellowship to present paper in International conference “Aquaculture Europe 2007” held at Istanbul Expo Centre, **Istanbul, Turkey**, from 24th - 27th Oct. 2007
- UGC-CPEB II (RGU) sponsored Overseas Conference Fellowship to present paper in International Conference of Food and Agricultural Engineering (ICFAE) which was organized by International Scientific Committee, World Academy of Science, Engineering and Technology (WASET) Connecticut, CT 06878, USA held at

Miami (Florida) USA w.e.f. 10th to 11th March 2014

- DST Early Career Award (DST ECR) awarded on 2017

Honour/Membership/Position:

1. Annual Member of Society for Ethnopharmacology, India under the membership number SFE/19/I-1459 dated 2019
2. Life Member of Assam Science Society, India under the enrolment number ASS/LM/6144 dated 29/07/2019

Nations Visited for Research & Academic Collaboration (03)

- Istanbul Expo Centre, Yesilkoy, Istanbul (Turkey) in 2007, invited-participated in International Conference "Aquaculture Europe 2007 (2007)
- Presented paper orally at "World Academy of Science, Engineering and Technology" (WASET) Miami, Florida, USA 2014
- Presented paper orally at "Omics International, Dallas, USA, 2016"

Research and Academic Collaboration

- Division of Food Chemistry, National Institute of Nutrition (NIN), Hyderabad, A.P, India.
- Department of Crystallography and Biophysics, University of Madras, Guindy Campus, TN, India.
- Department of Pharmaceutical Engineering and Technology, Jadavpur University, Kolkata, India.
- Ashoka Trust for Research in Ecology & the Environment (ATREE), Bangalore, India.
- Department of Botany, RGU, Arunachal Pradesh, India.
- State Medicinal Plant Board, SFRI, Department of Environment and Forest, GoAP, Itanagar, India.
- Defence Research Laboratory (DRL), DRDO, Tezpur, Assam, India.
- Department of Plant and Soil Science, Mississippi State University, Starkville, MS USA.
- ACTREC, Tata Memorial Centre, Navi Mumbai.
- Natural Product Chemistry Division, NEIST, Jorhat, Assam, India.
- G.B. Pant National Institute of Himalayan Environment and Development, Itanagar, India.
- Department of Plant Physiology, AAU Jorhat, Assam, India.
- Department of Botany, NEHU, Shillong, India.
- Department of Biosciences and Bioengineering, IIT Guwahati, Assam, India.
- IASST, Guwahati
- NEMCARE Guwahati, Assam
- Department of Biochemistry, BHU, India

Publications (Journals):

Detail List of Research Publications of Dr. Pallabi Kalita Hui (2003- 2022)

1. Debmalya Das Gupta, Dipayan Paul, Sanjib Kumar Das, Saurov Mahanta, Hui Tag and **Pallabi Kalita Hui (2022)**: Molecular insights into genetic diversity and population dynamics of *Paris polyphylla* Smith in the Eastern Himalaya, India: a threatened anticancer medicinal herb of broad spectrum therapeutic importance. *Vegetos*, <https://doi.org/10.1007/s42535-022-00396-1>
2. Dipayan Paul, Subhash Kalpuri, Debmalya Das Gupta, **Pallabi Kalita Hui**, Hui Tag, RajendranAnanthan **(2022)**: Phytochemical, nutritional and antioxidant potential of *Panax bipinnatifidus* and *Panax pseudoginseng*: A study of two underutilized and neglected species from the Eastern

3. Dipayan Paul, Saurov Mahanta, Hui Tag, Sanjib Kumar Das, Debmalya Das Gupta, Bhaben Tanti, RajendranAnanthan, Ranjan Das, Sanjay Jambhulkar, **Pallabi Kalita Hui (2021)**: Identification of Tyrosine Kinase Inhibitors from *Panax bipinnatifidus* and *Panax pseudoginseng* for RTK - HER2 & VEGFR2 receptors by *In-silico* approach. *Molecular Diversity*, <https://doi.org/10.1007/s11030-021-10304-5>.
4. Sanjib Kumar Das, SaurovMahanta, Bhaben Tanti, Hui Tag and **Pallabi Kalita Hui (2021)**: Identification of phytochemicals from *Houttuynia cordata* Thunb. as potential inhibitors for SARS-CoV-2 replication proteins through GC-MS/LC-MS characterization, Molecular Docking and Molecular Dynamics simulation. *Molecular Diversity*, 26(1):365-388. <https://doi.org/10.1007/s11030-021-10226-2>.
5. Sanjib Kumar Das, Suman Jyoti Deka, Dipayan Paul, Debmalya Das Gupta, TridipJyoti Das, Devendra Kumar Maravi, Hui Tag, **Pallabi Kalita Hui (2021)**: In-silico based identification of phytochemicals from *Houttuynia cordata* Thunb. as potential inhibitors for overexpressed HER2 and VEGFR2 cancer genes. *Journal of Biomolecular Structure and Dynamics*. 24:1-14.<https://doi.org/10.1080/07391102.2021.1891136>
6. Debmalya Das Gupta, Shruti Mishra, Sumit Singh Verma, AnusmitaShekher, Vipin Rai, NikeeAwasthee, Tridip J. Das, Dipayan Paul, Sanjib K. Das, Hui Tag, Subash Chandra Gupta, **Pallabi K. Hui (2021)**: Evaluation of antioxidant, anti-inflammatory and anticancer activities of Diosgenin enriched Paris polyphylla rhizome extract of Indian Himalayan landraces. *Journal of Ethnopharmacology*, 270: 113842. <https://doi.org/10.1016/j.jep.2021.113842>. ISSN No. 0378-8741.
7. Deki Tshering, Sanjib Das, Jambey Tsering, **Pallabi K. Hui & Hui Tag (2018)**: Rapid ethnobotanical appraisal on *Bugun*, *Sartang* and *Monpa* communities of West Kameng and Tawang Sector of Arunachal Himalayan Region, India. *Pleione* 12(2): 283 - 297. ISSN: 0973-9467. doi:10.26679/Pleione.12.2.2018.283 - 297. East Himalayan Society for Spermatophyte Taxonomy (EHSST), NBU (India).
8. Rubu Rinyo, M. Taram, **Pallabi K. Hui & Hui Tag (2018)**: Ethnobotanical resources and traditional skills prevalent among the Tagin community of Arunachal Pradesh, India. *Pleione* 12(2): 265 - 274. ISSN: 0973-9467. doi:10.26679/Pleione.12.2.2018.265-274. East Himalayan Society for Spermatophyte Taxonomy (EHSST), NBU (India).
9. Debmalya Dasgupta, **Pallabi K. Hui & Hui Tag (2018)**: Genotypic variation in *Acmellapaniculata* across different phytogeographical ranges of Northeast India inferred through ISSR & SCoT based markers. *Journal of Applied Research on Medicinal and Aromatic Plants*.ISSN:2214-7861. Elsevier Ireland Ltd. <https://doi.org/10.1016/j.jarmap.2018.07.001>
10. Bipul Ch. Kalita, A.K Das, Debmalya Das Gupta, **Pallabi K Hui**, B.J Gogoi & Hui Tag & **(2018)**: GC-MS analysis of phytoconstituents in the methanolic extract of *Gynocardiaodorata* R. Br.- a poisonous plant from Arunachal Himalayan Region. *Journal of Pharmacognosy & Phytochemistry*, 7 (1): 2458 -2463. ISSN: 2278-4136. www.phytojournal.com.
11. Loxmi Jamoh, **Pallabi K. Hui**, Tridip J. Das and Hui Tag **(2018)**: Evaluation of Analgesic Activity of Methanolic Extract of *Pouzolziazeylanica* (L.) Bennett & R. Brown leaves in Albino Rat. *Journal of Bioresources*, 5 (1): 45-51. ISSN: 2394-4315. Published by UGC Centre of Excellence in Biodiversity, RGU, Rono Hills, Doimukh, Arunachal Pradesh.
12. Bipul Ch. Kalita, Debmalya Gupta, A.K. Das, **Pallabi K Hui** and Hui Tag **(2018)**: Gas Chromatography - Mass Spectrometry of Methanol Extract of *Urticadioica* L. from Arunachal Pradesh, India. *Journal of Basic and Applied Plant Science*, 1(2): 111. ISSN: 2574-3449. Elyn Publishing Group, New Jersey USA (www.elynsgroup.com).
13. Loxmi Jamoh, **Pallabi K. Hui**, Debmalya Dasgupta& Hui Tag **(2017)**: Ethnobotany and nutritional potential of *Gonostegialhirta* (Blume ex Hassk.) Miq. (Urticaceae) from Arunachal Pradesh, India. *Pleione*, 11 (2): 329-335. ISSN: 0973-9467. East Himalayan Society for Spermatophyte Taxonomy (EHSST), NBU (India).
14. Jambey Tsering, B.J Gogoi, **Pallabi K. Hui**, N. Tam & Hui Tag **(2017)**: Ethnobotanical appraisal on the wild edible plants used by the *Monpa* Community of Arunachal Pradesh. *Indian Journal of Traditional Knowledge*, Vol. 16 (4): 626-637. ISSN: 0972-5938. NISCAIR Publication, New Delhi (India).
15. DebmalyaDasgupta, **Pallabi K. Hui &Hui Tag (2017)**: Molecular Characterization of *Acmellapaniculata* (Asteraceae) from Arunachal Himalayan Region through RAPD and ISSR Markers. *Journal of Basic and Applied Plant Sciences*,1 (1): 105 (1-7).ISSN: 2574-3449. Elyn Publishing Group, New Jersey USA (<http://elynsgroup.com>).
16. Bipul C. Kalita, **Hui Tag**, B.J. Gogoi and **Pallabi Kalita Hui (2017)**: Diversity and Traditional uses of Some Poisonous Plants of Arunachal Pradesh. *International Journal of Advance Research and Innovative Ideas in Education*, Vol-3 (1): 2017. ISSN(O)-2395-4396. Published by Informatics Limited Bangalore (www.ijaie.com) through NLS, NISCAIR (CSIR) New Delhi.

17. Bipul C. Kallita, B.J Gogoi, **P. Kalita**, Hui Tag (2016): Ethnobotanical Uses of Legumes in the Papum Pare District of Arunachal Pradesh, India. *Journal of Bioresources*, Vol. 3 (2): 22-27. ISSN 2394-4315. Published by UGC Centre of Excellence in Biodiversity, RGU Rono Hills, Doimukh, Arunachal Pradesh.
18. Hui Tag, **Pallabi Kalita Hui**, B.J. Gogoi, Nyilyang Tam, Jambey Tsering, (2016): *Phu*: High Altitude Sacred Grove in the *Monapa* Cultural Landscape of West Arunachal Pradesh (Eastern Himalaya). *Journal of Bioresources*, Vol. 3 (2): 28-32. ISSN 2394-4315. Published by UGC Centre of Excellence in Biodiversity, RGU Rono Hills, Doimukh, Arunachal Pradesh.
19. Angkita Sharma, **Pallabi Kalita**, Hui Tag (2015): Distribution and phytomedicinal aspects of *Paris polyphylla* Smith from the Eastern Himalayan Region: A review. *TANG (Humanitas Medicine)*, Vol. 5 (3 /e15): 1-12. www.e-tang.org. Published by Association of Humanitas Medicine, Korea Science, College of Korean Medicine, Kyung Hee University, Republic of Korea.
20. **Hui Tag**, J. Tsering, B.J Gogoi, Bipul C. Kalita, **P. Kalita** and Vijay Veer (2015): Ethnobotanical Uses of Poisonous Plants in Arunachal Pradesh. *Journal of Bioresources*, Vol. 2 (1): 1-5. ISSN 2394-4315. Published by UGC Centre of Excellence in Biodiversity, RGU Rono Hills, Doimukh, Arunachal Pradesh
21. **Hui Tag**, Jambey Tsering, **Pallabi Kalita Hui**, BaikunthaJyoti Gogoi, Vijay Veer (2014): Nutritional Potential and Traditional Uses of High Altitude Wild Edible Plants in Eastern Himalayas, India. *International Journal of Agriculture, Biosystems Science and Engineering* Vol. 8 (3): 395-400. World Academy of Engineering and Technology (WASET), Connecticut, USA.
22. Debmalya Dasgupta, **Pallabi Kalita**, **Hui Tag** and A.K Das (2014): Assessment of genetical diversity within and among the populations of *Acmellapaniculata* (Wall ex DC) R.K Jansen (compositae) through RAPD and ISSR Markers. *Journal of Bioresources*, Vol. 2 (1): 11-15. ISSN 2394-4315. Published by UGC Centre of Excellence in Biodiversity, RGU Rono Hills, Doimukh, Itanagar.
23. Jambey Tsering, BaikunthoJyoti Gogoi, **Pallabi Kalita**, Vijay Veer & Hui Tag (2014): HPTLC determination of Gallic acid in Methanol extract of *Quercus griffithii* Acorn. *International Journal of Pharmtech Research*. Vol. 6 (4): 134-1347. ISSN: 0974-4304, Sphinx Knowledge House, USA.
24. **Pallabi Kalita**, **Hui Tag**, H. N. Sarma, A. K. Das (2014): Evaluation of Nutritional Potential of Five Unexplored Wild Edible Food Plants from Eastern Himalayan Biodiversity Hotspot Region (India). *International Journal of Biological, Life Science and Engineering* Vol: 8 (3): 1-4. World Academy of Science, Engineering and Technology (WASET) Connecticut, USA.
25. **Pallabi K Hui**, **Hui Tag**, A.K Das (2013): Evaluation of Nutritional Quality of Four Unexplored wild food plants from Arunachal Himalaya for the formulation of cost effective fish feeds. *International Journal of Fisheries and Aquaculture* 5(5): 92-92. ISSN: 2006-9839. Academic Journals.
26. **Hui Tag**, Nima D. Namsa, **P. Kalita**, P. Dwivedi & A.K Das (2012): Herbal medicines used in the treatment of *diabetes mellitus* in Arunachal Himalaya, north-east India. *Journal of Ethnopharmacology*, 141(3): 986-795. ISSN: 0378-8741. Elsevier Ireland Ltd.
27. L. Jeri, **Hui Tag**, J. Tsering, **P. Kalita**, T. Mingki & A.K Das (2011): Ethnobotanical Investigation of Edible and Medicinal Plants in Pakke Wildlife Sanctuary of East Kameng District in Arunachal Pradesh, India. *Pleione*, 5(1): 83-90. ISSN: 0973-9467. EHSST Publication, NBU, India.
28. A.K. Mukherjee, **P. Kalita**, B.G. Unni, S.B. Wann, D. Saikia & P.K. Mukhopadhyay (2010): Fatty acid composition of four potential aquatic weeds and their possible use as fish-feed neutraceuticals. *Food Chemistry* 123: 1252-1254. Elsevier Ireland Ltd (International)
29. **Hui Tag**, T. Mingki, Oyi Dai, **P. Kalita**, G. Nimachow & A.K. Das (2010): Status Report on *Phoenix rupicola* T. Anderson (Arecaceae) - an endemic and threatened wild Palm in Pakhui Wildlife Sanctuary, East Kameng (Eastern Himalayas), India. *Pleione* 4 (1): 76-79. ISSN: 0973-9467. EHSST Publication, NBU (India).
30. Hui Tag, Nima D. Namsa, M. Mandal, **P. Kalita**, A. K. Das & S. C. Mandal (2010): Antipyretic and antibacterial activity of *Chloranthus erectus* (Buch.-Ham.) Verdcourt leaf extract: A popular folk medicine of Arunachal Pradesh. *Indian Journal of Pharmacology*, 42 (5): 273-276. ISSN: 0253-7613. An Official Journal of Indian Society of Pharmacology (ISP), India.
31. **Hui Tag**, Nima D. Namsa, A.K Das, **P. Kalita** & S.C Mandal (2009): Evaluation of Anti-inflammatory potential of *Chloranthus erectus* (Buch.-Ham.) Verd. extract in rats. *Journal of Ethnopharmacology*, 126 (2): 371-374, ISSN: 0378-8741. Elsevier Ireland Ltd.
32. Nima D. Namsa, **Hui Tag**, M. Mandal, **P. Kalita** and A.K. Das (2009): An Ethnobotanical study of traditional anti-inflammatory plants used by the Lohit community of Arunachal Pradesh, India. *Journal of Ethnopharmacology* 125 (2): 234-245. ISSN: 0378-8741. Elsevier Ireland Ltd.
33. **Hui Tag**, A.K. Das, **P.K Hui**, Ranjay K. Singh & Palit, G. (2008): Botanical resources used in traditional wood carving industry among the *Wancho* tribe of Arunachal Pradesh. *Indian Journal of Traditional Knowledge*, 7(1) 148-156. ISSN: 0972-5938. NISCAIR Publication, New Delhi (India).
34. **Pallabi Kalita**, Pratap K. Mukhopadhyay & Ashis K. Mukherjee (2007): Evaluation of the nutritional quality of four unexplored aquatic weeds from northeast India for the formulation of cost-effective fish feeds. *Food Chemistry* 103, 204-209. Elsevier Ireland Ltd (International)

35. Hui Tag, A.K Das & **P. Kalita (2005)**: Plants used by the Hill Miri (Nyishi) tribe of Arunachal Pradesh in Ethnofisheries. *Indian Journal of Traditional Knowledge*, 4 (1): 57-64. ISSN: 0972-5938. NISCAIR. Publication, New Delhi (India).
36. **P. Kalita, Hui Tag, P.K Mukhopadhyay, A.K Das & A.K Mukerjee (2004)**: Indigenous Fishing Techniques Practiced by the Tribes of Arunachal Pradesh (North East India). *Aquaculture Asia*, 10 (2):35-37. ISSN:0859-600X.Publication NACA, Bangkok (Thailand).
37. Hui Tag, **P. Kalita** & A.K Das (2003): Ethnobiological Study on Hill Miri (Nyishi) Tribe of Arunachal Pradesh emphasized on Traditional Fishing Technology. *Arunachal University Research Journal (AURJ)*, 6 (2): 43-52. Official Journal of Rajiv Gandhi University, Itanagar (India).

Book Chapter (2013-2018)

1. **P. Kalita**, DD Gupta & Hui Tag (2018): Secondary Metabolites of Some Ethnomedicinal Plants of Arunachal Pradesh, India, CRC Press, Taylor & Francis Group.
2. **P. Kalita & Hui Tag (2017)**: Secondary Metabolites - Their Impact on Plants " *Advances in Plant Physiology Series Volume17*, [ISSN: 0972-9917]. An International Treatise Series [UGC Approved].
3. Hui Tag & **Pallabi Kalita (2014)**: Conservation and Utilization of Traditional Food Bioresources by *Nyishi* Community of Arunachal Himalayan Region (India): Role of Mythology & Folklore. In *V.N.Pillai Eds. "Compendium of Traditional Knowledge*. ISBN: 978-81-924674-1-2. pp-278-343. Published by Kerala State Council for Science, Technology & Environment (KSCSE), Thiruvananthapuram-695004 (India).
4. Hui Tag, **P. Kalita**, Ranjay K Singh & A.K Das (2014): Biocultural Resources and Traditional Food Systems of *Nyishi* Tribe of Arunachal Pradesh (India): An empirical Learning on the Role of Mythology and Folklore in Conservation. In *Ranjay K. Singh et al Eds Social-Ecological Diversity & Traditional Food System*. ISBN: 978-93-83305-36-0. Pp-155-198. New India Publishing Agency, New Delhi.
5. **Hui Tag, P. Kalita** & A.K Das (2013): Biodiversity, Traditional Knowledge, IPR & Rationalization of Traditional Phytomedicine in the Context of North East India. In *J. Buragohain Eds. Traditional Phytotherapy*, pp-27-46. ISBN: 978-817035-821-3. Daya Publishing House-A Division of Astral International Pvt. Ltd., New Delhi-110002.

Papers in Proceeding Publication

1. **Pallabi Kalita**, Hui Tag, H.N. Sarma, A.K. Das (2014): Evaluation of Nutritional Potential of five unexplored Wild Edible Food Plants from Eastern Himalayan Biodiversity Hotspot Region (India). Joint paper published in the proceeding volume of International Science Index 87, WASET 87, 2014, pp-233-236 and released during International Conference of Food and Agricultural Engineering (ICFAE) organized by International Scientific Committee, World Academy of Science, Engineering and Technology (WASET) Connecticut, CT 06878, USA held at Miami (Florida) USA w.e.f. 10th to 11th March 2014.
2. Hui Tag, Jambey Tsering, **Pallabi Kalita**, B.J Gogoi, Vijay Veer (2014): Nutritional Potential and Traditional Uses of High Altitude Wild Edible Plants Eastern Himalayas, India. Joint paper published in the proceeding volume of International Science Index 87, WASET 87, 2014, pp-205-211 and released during International Conference of Food and Agricultural Engineering (ICFAE) organized by International Scientific Committee, World Academy of Science, Engineering and Technology (WASET) Connecticut, CT 06878, USA held at Miami (Florida) USA w.e.f. 10th to 11th March 2014.

Paper Presented in Conference, Seminars and Workshop (2013-2018)

1. Sanjib K. Das, Pallabi K. Hui & Hui Tag (2018): Proximate analysis of some wild edible plants available in Arunachal Himalayan Region (Abs. No. 15-30, pp-532). Paper presented in International Conference on **Climate Change, Biodiversity & Sustainable Agriculture (ICCBSA -2018) held at AAU Jorhat on 13 - 16 October 2018**. Organised by Assam Agriculture University, Jorhat and Prof. H. S Srivastava Foundation for Science & Society, Lucknow, India.
2. Debmalya Dasgupta, **Pallabi K. Hui** & Hui Tag (2018): "**Phytochemical Profile and GC-MS Findings of *Paris polyphylla* - An Endangered Species from Eastern Himalayan Region**" at International conference on Climate Change, Biodiversity and Sustainable Agriculture (ICCBSA-2018) organised by Assam Agricultural University, Jorhat and Prof. H.S. Srivastava Foundation for Science held at AAU, Jorhat from 13th-16th December, 2018.
3. Tridip J. Das, S. Bansod, C. Godugu, Pallabi K. Hui & Hui Tag (2018): Evaluation of analgesic and anti-inflammatory effect of *Alstonia scholaris* and *Acoruscalamus* from Arunachal Pradesh Himalayan region of India (Abs. No.14-21, pp-504). Poster paper presented in International Conference on **Climate Change, Biodiversity & Sustainable Agriculture (ICCBSA -2018) held at AAU Jorhat on 13 - 16 October 2018, and won Best Poster Presentation Award. Organised by Assam Agriculture University, Jorhat and Prof. H. S Srivastava Foundation for Science & Society, Lucknow, India.**
4. Hui Tag, Jambey Tsering, Pallabi K Hui and K. Raja Reddy (2016): Biodiversity of Wild Food and Medicinal Plants of Eastern Himalayas. Presented in International Conference on Plant Physiology and Pathology held at Hotel Embassy

- Suite, Dallas (Texas) USA from 9-10 June 2016 organized by Scientific Committee Operators, OMICS International Pvt. Ltd USA.
5. Debmalya Dasgupta, Pallabi K. Hui & Hui Tag (2017): "Assessment of Genetic Diversity within and Among Populations of *Acmella paniculata*(Wall. ex DC.) R.K. Jansen through RAPD and ISSR Markers" at North-eastern Regional Conference and Exhibition on Promotion and Protection of Traditional Health Care Remedy(PAPOTHECARY-2017) at Gauhati University, Guwahati from 24th to 26th March, 2017.
 6. Debmalya Dasgupta, Pallabi K. Hui & Hui Tag (2016): Poster on, "Molecular and Nutritional characterization of *Acmella paniculata* (Wall. ex DC.) R.K.Jansen from Arunachal Himalayas" at International conference on Global Biodiversity, Climate Change and Sustainable Development (ICBCS-2016) at Rajiv Gandhi University, Arunachal Pradesh from 15th to 18th October, 2016.
 7. **Pallabi Kalita Hui, Debmalya Dasgupta and Hui Tag (2016):** Evaluation of the Nutritional Potential and GC-MS Analysis of *Acmella paniculata* (Wall. ex DC.) R.K Jansen from Arunachal Pradesh (Eastern Himalayas). Presented in International Conference on Plant Physiology and Pathology held at Hotel Embassy Suite, Dallas (Texas) USA from 9-10 June 2016 organized by Scientific Committee Operators, OMICS International Pvt. Ltd USA.
 8. Debmalya Dasgupta Pallabi Kalita Hui, and Hui Tag (2016): "**Phytochemical Profile and GC-MS Findings of *Paris polyphylla* - An Endangered Species from Eastern Himalayan Region**" at International conference on Climate Change, Biodiversity and Sustainable Agriculture (ICBSA-2018) organised by Assam Agricultural University, Jorhat and Prof. H.S. Srivastava Foundation for Science held at AAU, Jorhat from 13th-16th December, 2018.
 9. **Debmalya Dasgupta Pallabi Kalita Hui, and Hui Tag (2016): "Molecular and Nutritional characterization of *Acmella paniculata*(Wall. ex DC.) R.K.Jansen from Arunachal Himalayas"at Internationalconference on Global Biodiversity, Climate Change and Sustainable Development(ICBCS-2016) at Rajiv Gandhi University, Arunachal Pradesh from 15th to 18th October, 2016.**
 10. **Bipul Ch.Kalita, B.J. Gogoi, Pallabi K. Hui and Hui Tag (2016):** Ethnobotanical uses of Legumes in the Papum Pare District of Arunachal Pradesh, India. Presented in International Conference on Global Biodiversity, Climate Change and Sustainable Development (ICBCS 2016 AT RGU) held at Rajiv Gandhi University, Rono Hills, Doimukh, Arunachal Pradesh on 15-18th October 2016 organized by Centre with Potential for Excellence in Biodiversity, RGU, Doimukh, Arunachal Pradesh.
 11. **Bipul Ch.Kalita, B.J. Gogoi, Pallabi K. Hui and Hui Tag (2016):** Diversity and traditional uses of some poisonous plants of Arunachal Pradesh.Presented in International Conference on Global Biodiversity, Climate Change and Sustainable Development (ICBCS 2016 AT RGU) held at Rajiv Gandhi University, Rono Hills, Doimukh, Arunachal Pradesh on 15-18th October 2016 organized by Centre with Potential for Excellence in Biodiversity, RGU, Doimukh, Arunachal Pradesh.
 12. **Hui Tag, Pallabi Kalita Hui, Baikuntha Jyoti Gogoi, Ngilyang Tam, Jambey Tsering (2016):** *Phu*: High Altitude Sacred Grove in the *Monpa* Cultural Landscape of West Arunachal Pradesh (Eastern Himalaya). Presented in International Conference on Global Biodiversity, Climate Change and Sustainable Development (ICBCS 2016 AT RGU) held at Rajiv Gandhi University, Rono Hills, Doimukh, Arunachal Pradesh on 15-18th October 2016 organized by Centre with Potential for Excellence in Biodiversity, RGU, Doimukh, Arunachal Pradesh.
 13. **Jambey Tsering, Ngilyang Tam, Pallabi Kalita Hui, Hui Tag (2016):** Orchid Flora of Arunachal Pradesh: An Overview. Presented in International Conference on Global Biodiversity, Climate Change and Sustainable Development (ICBCS 2016 AT RGU) held at Rajiv Gandhi University, Rono Hills, Doimukh, Arunachal Pradesh on 15-18th October 2016 organized by Centre with Potential for Excellence in Biodiversity, RGU, Doimukh, Arunachal Pradesh.
 14. **Debmalya Dasgupta, Hui Tag and Pallabi Kalita Hui (2015):** Evaluation of the Ethnobotanical and Nutritional Potential of *Acmellapaniculata* (Wall. ex DC.) R.K. Jansen from Arunachal Himalayas. Presented as poster in 11th International Food Data Conference (IFDC -2015): Food Composition and Public Health Nutrition from 3rd to 5th November, 2015 held at National Institute of Nutrition, Hyderabad India.
 15. **Pallabi Kalita, Hui Tag, H.N. Sarma, A.K. Das (2014):** Evaluation of Nutritional Potential of five unexplored Wild Edible Food Plants from Eastern Himalayan Biodiversity Hotspot Region (India).Joint paper in the Oral Session in International Conference of Food and Agricultural Engineering (ICFAE) which was organized by International Scientific Committee, World Academy of Science, Engineering and Technology (WASET) Connecticut, CT 06878, USA held at Miami (Florida) USA w.e.f. 10th to 11th March 2014.
 16. **Hui Tag, Jambey Tsering, Pallabi Kalita, B.J Gogoi, Vijay Veer (2014):** Presented joint paper titled "Nutritional Potential and Traditional Uses of High Altitude Wild Edible Plants Eastern Himalayas, India" in Oral Session in International Conference of Food and Agricultural Engineering (ICFAE) which was organized by International Scientific Committee, World Academy of Science, Engineering and Technology (WASET) Connecticut, CT 06878, USA held at Miami (Florida) USA w.e.f. 10th to 11th March 2014.
 17. **Jambey Tsering, Hui Tag, B.J Gogoi, Pallabi Kalita and Vijay Veer (2014):** Presented joint paper titled "Quantitative determination of *Quercetin* (anti-cancer compound) in Himalayan Huckleberry by HPTLC" in the National Seminar titled "Recent Advances in Chemical Sciences" organized by Department of Chemistry, Rajiv Gandhi University, Rono Hills, Doimukh (Itanagar), w.e.f 20th to 21st March 2014 at RGU campus.
 18. **Jambey Tsering, BJ Gogoi, Pallabi Kalita, Hui Tag & Vijay Veer (2013):** Presented a joint paper titled "Determination of Nutritive Value, Mineral Contents and Antioxidant Potential of *Quercus semecarpifolia* fruit" in the National Seminar "7th Conference of Medical Arthropodology with central Theme "Herbal insecticides, Biomedicines and Biodefence in Vector Borne Diseases Management organized by Defence Research Laboratory (DRL), Tezpur at DRL (DRDO) Hq.: Solmara, Tezpur (Assam) from December 12-13, 2013.
 19. **Hui Tag, A.K Das & P. Kalita (2008):** Role of Botanical Resources in Rural Healthcare Sector in Arunachal Pradesh: A Case Study on Ethnomedicinal Plants and the Khampti Tribe of Lohit District. A paper presented in National

Seminar cum Workshop entitled “Enhancing the Traditional Knowledge and Grassroots Innovations’ Exploration, Consensus on Prior Informed Consent and Knowledge Networking among Various Stakeholders” held on 29th to 30th March 2008, Sponsored by National Innovation Foundation (NIF), Ahmedabad and organized by College of Horticulture and Forestry, Central Agricultural University, Pasighat, Arunachal Pradesh.

20. **P. Kalita, Hui Tag and A.K Das (2008):** Potential and Scope of Incorporating Botanical Resources in Fishery Sector of Arunachal Pradesh. A joint paper presented in National Seminar cum Workshop entitled “Enhancing the Traditional Knowledge and Grassroots Innovations’ Exploration, Consensus on Prior Informed Consent and Knowledge Networking among Various Stakeholders” held on 29th to 30th March 2008, Sponsored by National Innovation Foundation (NIF), Ahmedabad and organized by College of Horticulture and Forestry, Central Agricultural University, Pasighat, Arunachal Pradesh.
21. **Hui Tag, A.K Das & Pallabi K. Hui (2008):** Prospects of Ethnobotanical and Traditional Knowledge Research in Arunachal Pradesh. Paper presented in National Seminar on “Community Based Sustainable Natural Resources Management and Development in North East India”, sponsored by NEC Shillong and Organized by the College of Horticulture and Forestry, Central Agricultural University (CAU), Pasighat on 26th - 27th April 2008.
22. **Hui Tag & Pallabi Kalita (2007):** Use of botanicals as alternative source of fishery and fish feed management for the sustenance of livelihood among rural farmers of Northeast India. A paper presented in a Northeast Council sponsored regional seminar entitled “Traditional Knowledge Systems and Community Development in Northeast India” organized at Department of Forestry, NERIST on 18th -19th Aug. 2007.
23. **Hui Tag, Pallabi Kalita & A.K Das(2007):** Preliminary Studies of some fish poison plants of the *Adi* tribe of Arunachal Pradesh, Eastern Himalayas. A paper presented in International conference “Aquaculture Europe 2007” organized by European Aquaculture Society in cooperation with Eurasia Trade Faires and Fish and Future Fish Eurasia 2007 and hosted by the Turkish Federation of Aquaculture and Fisheries held at Istanbul Expo Centre (Istanbul) Turkey from 24th - 27th Oct. 2007.
24. **Pallabi Kalita, Hui Tag, A.K Das, P.K Mukhopadhyay& A.K Mukherjee (2007):** *Ipomoea reptans* as a source of feedstuff for Indian major carp fingerlings. A paper presented in International conference “Aquaculture Europe 2007” organized by European Aquaculture Society in cooperation with Eurasia Trade Faire and Fish and Future Fish Eurasia 2007 and hosted by the Turkish Federation of Aquaculture and Fisheries held at Istanbul Expo Centre (Istanbul) Turkey from 24th - 27th Oct. 2007.
25. **Hui Tag, Pallabi Kalita & A.K Das (2004):**Ethnobiological Heritage among the Tribes of Arunachal Pradesh, Northeast India: A cross cultural Study. Paper presented in 9th International Congress of Society of Ethnobiology on “Ethnobiology, Social Change & Displacement” held at University of Kent at Canterbury, UK from 13th - 17th June 2004.p-A117.
26. **Hui Tag, A.K Das & Pallabi Kalita (2004):** Resource Utilization and Biodiversity conservation by Abotanii Tribe in Talley Valley Wild Life Sanctuary. Presented in International Symposium on “Recent Trend in Plant Ecology & Biodiversity Research” organized by the Department of Botany, North East Hill University, Shillong on 20th -22nd May 2004. ASB100, pp-75-76.
27. **Hui Tag, A.K Das & Pallabi Kalita (2004):** Biodiversity & Jhum based Hill Economy in Arunachal Pradesh: An age old traditions in Transition. Paper presented in National Seminar on Transforming Hill Economy; Opportunities & Challenges organized by the Department of Economics, Arunachal University, held at Banquet Hall, Itanagar on 26th - 28th Nov.2004.

Invited Talks:

1. Dr. Pallabi Kalita Hui (2019): **Invited Talk on** “VERMICOMPOST : SCOPES AND APPLICATIONS” at Advanced Pedagogy Sponsored Research, IPR and Entrepreneurship Government College of Technology, Coimbatore Tamil Nadu (22-26)th July, 2019
2. Dr. Pallabi Kalita Hui & Dr. Suman Jyoti Deka (2018): **Invited Talk on** “Plant Secondary Metabolites - a new generation anti-cancer agent” **at International Conference on** Climate Change, Biodiversity & Sustainable Agriculture (ICCBSA -2018) held at AAU Jorhat on 13 - 16 October 2018. Organised by Assam Agriculture University, Jorhat and Prof. H. S Srivastava Foundation for Science & Society, Lucknow, India.
3. Dr. Pallabi Kalita Hui (2018): **Invited Talk on** “Natural Products” at Advanced Level Institutional Biotech Hub, Dakshin Kamrup College, Mirza, Guwahati, India, held on 07/04/2018.
4. Dr. Pallabi Kalita Hui (2018): **Invited Talk on** “Cancer Treatment and Medicinal Plant” at Arogya Mela organized by Ministry of Ayush, Govt. of India, Associated Chambers of Commerce and Industry of India (ASSOCHAM), IG Park, Itanagar held on 20/02/2017.
5. Dr. Pallabi Kalita Hui (2020): **Invited Talk on** “Pharmacological, antioxidant & anticancer studies of some selected medicinal plants of Arunachal Himalayan region” at 8th International Translational Cancer Research Conference organized by Department of Biochemistry, Institute of Science, Banaras Hindu University, Varanasi-221005 India & Society for Translational Cancer Research (STCR) on February 13-16, 2020.

Workshops Organized:

1. One-week Entrepreneurship Development Programme on "Herbal Tablets, Capsules And Syrup Making" from 21st to 26th February 2021 under the coordinatorship of Dr. Pallabi Kalita Hui and sponsored by DST Nectar, GOI.
2. Five days Entrepreneurship Development Programme on "Herbal Tablets, Capsules And Syrup Making" from 22nd November to 26th November, 2021 under the coordinatorship of Dr. Pallabi Kalita Hui and sponsored by DST Nectar, GOI.
3. Five days Entrepreneurship Development Programme on "Herbal Tablets, Capsules And Syrup Making" from 27th November to 1st December, 2021 under the coordinatorship of Dr. Pallabi Kalita Hui and sponsored by DST Nectar, GOI.
4. Five days Entrepreneurship Development Programme on "Herbal Tablets, Capsules And Syrup Making" from 16th March to 20th March, 2022 under the coordinatorship of Dr. Pallabi Kalita Hui and sponsored by DST Nectar, GOI.
5. Five days Entrepreneurship Development Programme on "Herbal Tablets, Capsules And Syrup Making" from 21st March to 25th March, 2022 under the coordinatorship of Dr. Pallabi Kalita Hui and sponsored by DST Nectar, GOI.