



## MICHELLE IRENGBAM

PHD STUDENT | EEES GRADUATE PROGRAM  
DARTMOUTH COLLEGE

### CONTACT

---

009A Fairchild  
HB - 6017  
Hanover, NH 03755  
[michelle.irengbam.gr@dartmouth.edu](mailto:michelle.irengbam.gr@dartmouth.edu)  
[michireng@gmail.com](mailto:michireng@gmail.com)

### LANGUAGES

---

Native- Manipuri.  
Others - English  
- Hindi

### RESEARCH AREAS

---

Theoretical, field based and comparative studies on river science and policy, sociogeomorphology, water governance.

### RESEARCH TECHNIQUES & SKILLS

---

**Work Experience:** Management planning for wetlands, Species-habitat interrelationships, Drivers of change and synergies and trade-offs, systematic conservation planning for river systems, river health assessment, protected areas, conservation prioritization, sustainable development goals, water policy, environment policies.

**Field Skills:** Stakeholder consultations and interviews, Household surveys, Focus group studies, water quality and flow assessment, aquatic wildlife identification.

**Analytical Skills:** Ecological data analysis (parametric and non-parametric tests, correlation, regression, multivariate statistic, social network analysis), GIS mapping, Log-frame analysis, Policy gap analysis, Risk assessment.

**Softwares and Programmes:** R, ArcGis, SPSS, Ethnography, Hotspotter, JMP



MICHIRENG@GMAIL.COM



@IRENG\_BIBI



7579245548



MI-512418101

## EDUCATION AND WORK EXPERIENCE

---

PhD Ecology, Evolution, Environment and Society (EEES). Sustainability, Ecosystems, and Environment (SEE) track	Guarani School of Advanced and Graduate Studies, Dartmouth College	January 2021 - Present
Project fellow	Ganga Aqualife Conservation Monitoring Centre, Wildlife Institute of India	May 2016 - present
Consultant	Wildlife Conservation Trust, Mumbai	Feb - March 2016
Senior Project Fellow	Wildlife Institute of India	April - Dec 2015
Project intern	Wildlife Institute of India	November 2014 - March 2015
M.Sc. Forestry	Forest Research Institute (deemed) University, Dehradun	July 2012 - June 2014
B.Sc. Botany (Honors)	University of Delhi, New Delhi	July 2009 - May 2012

## COURSES ATTENDED

---

- International course on Landscape Governance at Bogor, Indonesia organized by CDI Wageningen University, CIFOR and World Agroforestry during April 2017.



MICHIRENG@GMAIL.COM



@IRENG\_BIBI



7579245548



MI-512418101

## PUBLICATIONS IN PEER-REVIEWED JOURNALS

---

- Hussain, S. A., Irengbam, M., Barthwal, S., Dasgupta, N., & Badola, R. (2020). Conservation planning for the Ganga River: a policy conundrum. *Landscape Research*, 45(8), 984-999.
- Tuboi, C., Irengbam, M., & Hussain, S. A. (2018). Seasonal variations in the water quality of a tropical wetland dominated by floating meadows and its implication for conservation of Ramsar wetlands. *Physics and Chemistry of the Earth, Parts A/B/C*, 103, 107-114.
- **Irengbam, M.**, Dobriyal, P., Hussain, S. A. and Badola, R. (2017). Balancing conservation and development in Nandhaur Wildlife Sanctuary, Uttarakhand, India. *Current Science*, 112, 6.
- **Irengbam, M** and Thapliyal, M. (2016). Seed Source Variation in *Bauhinia purpurea* L. *Indian Forester* 142.12:1164-1170.

## OTHER PUBLICATIONS

---

- Balvenera, P., Pfaff, A.,..., **Irengbam, M.**,...,Chapter 2.1 Status and trends-Drivers of Change. The IPBES Global Assessment on Biodiversity and Ecosystem Services.
- Hussain, S.A., Badola, R., Barthwal, S., Irengbam, M. & Dasgupta, N. (2020). Biodiversity conservation and Ganga rejuvenation: Key messages for the policy-makers. Ganga Aqualife Conservation Monitoring Centre, Wildlife Institute of India, Dehradun. pp.46 (In press).

## CONFERENCE PAPERS

---

- Irengbam, M., Barthwal, S., Dasgupta, N., Hussain, S.A. & Badola, R. (2019) 'Conservation planning in human-dominated riverscapes: case of the Ganga river'. Water Future Conference - Towards a Sustainable Water Future, September 2019, Bengaluru.



MICHIRENG@GMAIL.COM



@IRENG\_BIBI



7579245548



MI-512418101

- Tuboi, C., Irengbam, M., & Hussain, S. A. (2019). Seasonal variations in water quality of a palustrine wetland in the Barak-Chindwin River basin. Water Future Conference -Towards a Sustainable Water Future, September 2019, Bengaluru.
- Tuboi, C., Irengbam, M., & Hussain, S. A. (2019). Seasonal variations in the water quality of Loktak Lake, Manipur, India: a tropical wetland dominated by floating meadows. 10<sup>th</sup> INTECOL Wetland Conference, September 2016, Changshu, China.

## POPULAR ARTICLES

---

- Irengbam, M., Barthwal, S., Dasgupta, N., Badola, R. & Hussain, S.A. Ganga needs more than just cleaning. Down to Earth magazine, September 1, 2019.  
<https://www.downtoearth.org.in/blog/water/ganga-needs-more-than-just-cleaning-66202>

## COFFEE TABLE BOOKS

---

- Hussain, S.A., Badola, R. & **Irengbam, M.** (2020) Rowing down the Ganges. Wildlife Institute of India, Dehradun. ISBN: 81-85496-49-8 (in press)

## BOOKS

---

- WII-GACMC. (2019) Wings of Ganga: Part III – River and wetland birds of Ganga River. Ganga Aqualife Conservation Monitoring Centre (GACMC) - Wildlife Institute of India, Dehradun. ISBN: 81-85496-47-1
- WII-GACMC (2018). Macro Fauna of the Ganga River: Status and Conservation of Select species. Ganga Aqualife Conservation Monitoring Centre, Wildlife Institute of India, Dehra Dun. Uttarakhand, India. Pp. 151. ISBN: 81-85496-31-5
- WII-GACMC (2018). Ganga River: State of biodiversity at a glance. Ganga Aqualife Conservation Monitoring Centre, Wildlife Institute of India, Dehra Dun. Uttarakhand, India. ISBN: 81-85496-34-X



MICHIRENG@GMAIL.COM



@IRENG\_BIBI



7579245548



MI-512418101

- WII-GACMC. (2018) Wings of Ganga: Part II - River and wetland birds of Ganga River. Ganga Aqualife Conservation Monitoring Centre (GACMC) - Wildlife Institute of India, Dehradun. ISBN: 81-85496-39-0
- WII-GACMC. (2018) Glimpses of Ganga, Series II. Ganga Aqualife Conservation Monitoring Centre. Wildlife Institute of India, Dehradun. Pp - 20. ISBN: 81-85496-36-6
- WII-GACMC. (2017) Wings of Ganga: Part I - River and wetland birds of Ganga River. Ganga Aqualife Conservation Monitoring Centre (GACMC) - Wildlife Institute of India, Dehradun. ISBN: 81-85496-38-2
- WII-GACMC. (2017) Glimpses of Ganga, Series I. Ganga Aqualife Conservation Monitoring Centre. Wildlife Institute of India, Dehradun. Pp - 20. ISBN: 81-85496-35-8

## TECHNICAL REPORTS

---

- WII-GACMC. (2017) Annual Report. Submitted to National Mission for Clean Ganga, under Wildlife Institute of India and NMCG's initiative "Biodiversity Conservation and Ganga Rejuvenation".
- Wildlife Institute of India. (2016). Launch of Ganga Aqualife Conservation Monitoring Centre and Ganga Aqualife Knowledge Management Centres. Launch report submitted to National Mission for Clean Ganga, under Wildlife Institute of India and NMCG initiative 'Biodiversity Conservation and Ganga Rejuvenation'. 109pp.
- Dobriyal, P., Irengbam, M., Gill, A.K., Das G.C., Usmani, A. (2016). Feasibility Survey of Brahmsar Wetland for its declaration as a Community Reserve. Report submitted to Haryana Forest Department. 15pp.
- Badola R., ... Irengbam, M.,... (2016). Socio-economic structure, livelihood and dependence pattern, SIA (Social Impact Assessment) and ESMP (Environment Social Management Plan) for the local communities residing in and around the forests of the Western Terai landscape. Study report submitted to International Union for Conservation of Nature and Wildlife Conservation Trust. 35pp.



MICHIRENG@GMAIL.COM



@IRENG\_BIBI



7579245548



MI-512418101

- Wildlife Institute of India. (2016) Management plan for Kusheshwar Asthan wetland, Bihar. Technical Report. Wildlife Institute of India, Dehra Dun, and Department of Environment and Forests, Government of Bihar.
- Wildlife Institute of India. (2016) Kusheshwar Asthan wetland atlas, Bihar. Technical Report. Wildlife Institute of India, Dehra Dun, and Department of Environment and Forests, Government of Bihar.
- Wildlife Institute of India. (2016) Management plan for Baraila wetland, Bihar. Technical Report. Wildlife Institute of India, Dehra Dun, and Department of Environment and Forests, Government of Bihar.
- Wildlife Institute of India. (2016) Baraila wetland atlas, Bihar. Technical Report. Wildlife Institute of India, Dehra Dun, and Department of Environment and Forests, Government of Bihar.
- Badola R.,... Irengbam, M.,... (2015). Socio-economic structure, livelihood and dependence pattern of the local communities residing in the fringe villages of Nandhaur Wildlife Sanctuary, TAL under the Integrated Tiger Habitat Conservation Programme, Study report submitted to International Union for Conservation of Nature and Zoological Society of London.
- The status of tigers in India, (2014). National Tiger Conservation Authority, New Delhi and Wildlife Institute of India, Dehra Dun.

## ORAL AND POSTER PRESENTATIONS

---

- |      |   |
|------|---|
| 2019 | Oral presentation ‘Conservation planning in human-dominated riverscapes: case of the Ganga river’ - Special Session on Water Solutions for 21st century in the Indian Himalayan Region at the Water Future Conference -Towards a Sustainable Water Future, held at Bengaluru. |
| 2019 | Presented a poster on ‘Critical policy review for Ganga River conservation’ at the Annual Research Seminar, Wildlife Institute of India.  |
| 2018 | Presented a poster on ‘Stakeholders of the Ganga River’ at the Annual Research Seminar, Wildlife Institute of India.  |



MICHIRENG@GMAIL.COM



@IRENG\_BIBI



7579245548



MI-512418101

- 2017\* Case study presentation on ‘The plight of the living goddess’ at the International Landscape Governance course organized by Wageningen University , CIFOR and World Agroforestry held at CIFOR, Bogor, Indonesia.
- 2017\*\* Presented ‘Sustainable business model in the Ganga basin’ at the International Landscape Governance course organized by Wageningen University, CIFOR and World Agroforestry held at CIFOR, Bogor, Indonesia.
- 2016 Presented a poster in the workshop “Forest within landscapes - connecting forests with farming systems”, organised by USAID in Udaipur, Rajasthan, India.
- 2015 Invited talk on ‘Social dynamics of the local communities around Keibul Lamjao National Park’ at Manipur University.

\*Top 5 presentations

\*\* Best presenter and business idea award

**GRANTS AND SCHOLARSHIPS**

<ul style="list-style-type: none"> <li>• Dartmouth Graduate Fellowship, Dartmouth College, Hanover, New Hampshire.</li> </ul>
<ul style="list-style-type: none"> <li>• Travel and accommodation grant by the Integrated Mountain Initiative for attending Special Session on Water Solutions for 21st century in the Indian Himalayan Region at the Water Future Conference held in Bengaluru, India.</li> </ul>
<ul style="list-style-type: none"> <li>• NFP Scholarship for attending course on Landscape Governance in Bogor, Indonesia awarded by Dutch Ministry of External Affairs.</li> </ul>
<ul style="list-style-type: none"> <li>• YES fellowship for attending Youth Forum for Sustainable Development in San Jose, Costa Rica.*</li> </ul>

\*Not availed



MICHIRENG@GMAIL.COM



@IRENG\_BIBI



7579245548



MI-512418101

## WORKSHOPS AND CONFERENCES ATTENDED

---

- Water-Food-Energy Nexus: Adaptive response to the Hindu Kush Himalayan Region, organized by Himalayan University Consortium, ICIMOD and Udall Centre for Studies in Public policies, University of Arizona, online webinar sessions held during May-June 2020.
- Water Future Conference -Towards a Sustainable Water Future, held at Bengaluru during 24-27<sup>th</sup> September 2019.
- Panorama workshop on ‘Solutions for a healthy planet: Cross-sectoral, global learning and exchange’ organised by IUCN and GIZ, at the Wildlife Institute of India, Dehradun on 11<sup>th</sup> September 2019.
- Policy dialogue ‘Urban Café: River for Habitat’ organised by UN Habitat and National Mission for Clean Ganga held at New Delhi on 18<sup>th</sup> November 2018.
- Ganga and its biodiversity in 2025: Developing a road map for habitat and species conservation, organized by WWF India and National Mission for Clean Ganga at New Delhi, India on 22<sup>nd</sup> May 2018.
- Webinar session on “Wood or Water: Trade-offs and Synergies among Ecosystem Services” conducted during “Oceania Ecosystem Services Forum: Healthy Ecosystems for Resilient Communities” at Brisbane, Australia on 27<sup>th</sup> March 2017.
- Participated in the 2<sup>nd</sup> International Dialogue on Himalayan Ecology from 28<sup>th</sup> to 29<sup>th</sup> January 2017 Chandigarh, India organized by Himalayan Dialogue and Panjab University, Chandigarh.
- Participated in the 3-day International workshop on Eld’s deer Conservation held in Imphal from 24<sup>th</sup> to 26<sup>th</sup> November 2016, conducted by Forest Department, Government of Manipur and Wildlife Institute of India, Dehradun.
- Participated in workshop “Forest within landscapes - connecting forests with farming systems”. 18<sup>th</sup> - 21<sup>st</sup> February 2016 organized by USAID, at Udaipur, Rajasthan, India.
- Attended “Technology intervention for mountain ecosystems: livelihood enhancement and action research through networking (TIME-LEARN)” workshop organized by DST (Department of Science and Technology) and HRG (Himalayan Research Group), Shimla, Himachal Pradesh, in June 2015.



MICHIRENG@GMAIL.COM



@IRENG\_BIBI



7579245548



MI-512418101



## WORKSHOPS AND CONFERENCES ORGANISED

---

- Sensitization Workshop on ‘Biodiversity Conservation and Ganga Rejuvenation’ for the officials of the Uttar Pradesh Forest Department”, 19<sup>th</sup> November 2016, Lucknow.
- National launch of NMCG- WII Biodiversity Conservation and Ganga Rejuvenation project under the *Namami Gange* Programme of Ministry of Water Resources River Development and Ganga Rejuvenation on 7<sup>th</sup> July 2016 at Narora, Uttar Pradesh.
- Village level stakeholder’s workshop for the nomination of the Keibul Lamjao National Park (KLNP) as a World Heritage Site by UNESCO (United Nations Educational, Scientific and Cultural Organization) C2C (Category 2 Centre) in December 2015 at KLNP.
- State level stakeholder’s workshop for the nomination of the Keibul Lamjao National Park (KLNP) as a World Heritage Site by UNESCO (United Nations Educational, Scientific and Cultural Organization) C2C (Category 2 Centre) in December 2015 at the Forest Head Office, Sanjenthong, Imphal, Manipur.
- Site level stakeholder’s workshops in Baraila, Vaishali district and Kusheshwar Asthan, Darbhanga district, Bihar during July 2015.
- State level multi-stakeholder workshop in Patna, Bihar, India in July 2015.

## MEMBERSHIPS

---

- IUCN Commission on Environmental, Economic and Social Policy
- Global Landscape forum



MICHIRENG@GMAIL.COM



@IRENG\_BIBI



7579245548



MI-512418101