

**Dr. Chetan Anand Dubey**

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ResearchGate Profile: <https://www.researchgate.net/profile/Chetan-Anand-Dubey>

Google Scholar Profile: <https://scholar.google.com/citations?user=QXEI95QAAAAJ&hl=en>

**RESEARCH INTERESTS**

- Sedimentology, Quaternary Geology and Geomorphology
- Structural Geology and Tectonics
- Palaeoenvironmental reconstructions based on analysis of sedimentary facies and grain size parameters of lake sediments
- Impact of Climate Change on Himalayan Glaciers

**EDUCATION**

**2022:**           **Ph.D.** in Geology; University of Lucknow

**Thesis Title:** Morpho-Sedimentology of the Gangotri Glacier Area Garhwal Himalaya, India.

**2011 - 2013:** **M.Sc.** (Geology); University of Lucknow

Percentage: 70.70

**2008 - 2011:** **B.Sc.** (Physics, Mathematics, Geology); University of Lucknow

Percentage: 65.33

**2008:**           **Intermediate;** Central Board of Secondary Education, New Delhi

Percentage: 79.4

**2006:**           **High School;** Central Board of Secondary Education, New Delhi

Percentage: 84.2

**RESEARCH EXPERIENCE**

**April 2019 - March 2022:** CSIR (NET) Senior Research Fellow (University of Lucknow, Lucknow, India)

**April 2017 - March 2019:** CSIR (NET) Junior Research Fellow (University of Lucknow, Lucknow, India)

**April 2016 - March 2017:** Junior Research Fellow, Department of Science and Technology (University of Lucknow, Lucknow, India)

*Project Title:* Sedimentology and Climatic events of the Gangotri Glacier Area, Garhwal Himalaya, India

### AWARDS AND RECOGNITIONS

**Total citations of papers published till date: 98 (source: Google Scholar)**

**Total cumulative Impact factor of papers published in the indexed journals: 12.96**

**2022:** Best Research Paper Award by University of Lucknow, Lucknow, India

**2020:** Best Research Paper Award by University of Lucknow, Lucknow, India

**2016:** CSIR (NET) JRF in Earth Sciences

### LIST OF PUBLICATIONS

#### **Publications in Peer-Reviewed Journals/Edited Books:**

1. Singh, A.K., **Dubey, C.A.**, Singh, D.S., Kumar, D. and Sharma, R. (2023). Sedimentary parameters and evolution of the outwash plain deposits during late Holocene in the Gangotri Glacier Region, Garhwal Himalaya, India. *Journal of the Geological Society of India*, In Press.
2. **Dubey, C.A.**, Singh, D.S., Singh, A.K., Sangode, S.J., Kumar, D. and Kumar, P. (2022). Sedimentation pattern of kame terraces and its implication to climatic events in the Gangotri glacier region since 25 Ka BP, Garhwal Himalaya, India. *Journal of Asian Earth Sciences*, 229, (105160).
3. Singh, D.S., Singh, A.K., **Dubey, C.A.**, Kumar, D., Sangode, S.J., Trivedi, A., Agnihotri, R. and Singh, J. (2022). Multi-Proxy analysis in the Gangotri Glacier region, Garhwal Himalaya: An overview of retreat, geomorphic evolution, palaeoclimate signatures, and glacial stratigraphy. *Journal of the Palaeontological Society of India*, 67(1).
4. Singh, D.S., **Dubey, C.A.**, Kumar, D., Vishawakarma, B., Singh, A.K., Tripathi, A., Gautam, P.K., Bali, R., Agarwal, K.K. and Sharma, R. (2019). Monsoon variability and major climatic events between 25 and 0.05 ka BP using sedimentary parameters in the Gangotri Glacier region, Garhwal Himalaya, India. *Quaternary International*, 507, 148-155.
5. Singh, D.S., **Dubey, C.A.**, Kumar, D., Kumar, P., Ravindra, R., (2018). Climate events between 47.5 and 1 ka BP in glaciated terrain of the Ny-Alesund region, Arctic using geomorphology and sedimentology of diversified morphological zones, *Polar Science*, (18), 123-134.
6. Singh, D.S., Tangri, A.K., Kumar, D., **Dubey, C.A.** and Bali, R. (2017). Pattern of retreat and related morphological zones of Gangotri Glacier, Garhwal Himalaya, India. *Quaternary International*, 444(2017) 172-181.
7. Tangri, A.K., Kumar, D., Singh, D.S. and **Dubey, C.A.** The Gomati River: Lifeline of Central Ganga Plain *In The Indian Rivers: Scientific and Socio-Economic Aspects*, 2018. *Springer Nature Singapore*, pp 135.

8. Singh, D.S., **Dubey, C.A.**, Singh, A.K. and Ravindra, R. Geomorphology and Landscape Evolution of Ny-Alesund Region and Its Implication for Tectonics, Svalbard, Arctic *In Climate Change in the Arctic: An Indian Perspective*, 2022. **Taylor & Francis Group**, 370 pp.
9. Singh, A.K., Kumar, D., **Dubey, C.A.**, Gautam, P.K., Vishawakarma, B. and Singh, D.S. Glacial Morpho-Sedimentology and Processes of Landscape Evolution in Gangotri Glacier Area, Garhwal Himalaya, India *In Climate Change and Geodynamics in Polar Regions*, 2022. **Routledge, Taylor & Francis Group**, 272 pp.

#### **Abstracts:**

1. **Dubey, C.A.**, Singh, D.S. and Singh, A.K. (2019). High resolution precipitation variability and major climatic events in the Gangotri Glacier area using sedimentary parameters *In Climate, Water and Environment (LIMIT-2019)* organized by Kumaun University, Nainital.
2. Singh, D.S. and **Dubey, C.A.** (2019). Morpho-sedimentary features of the Gangotri Glacier area and its implications for climate change *In National conference on role of remote sensing and GIS in natural hazard assessment for sustainable development: Present scenario and future perspective* organized by Department of Geology, University of Lucknow, Lucknow.
3. Singh, D.S., **Dubey, C.A.**, Kumar, D. and Vishawakarma, B. (2018). Glacial and Paraglacial landforms, Sedimentology and its implication for climate change, Gangotri Glacier, Garhwal Himalaya, India. *In 1<sup>st</sup> North Indian Science Congress and International Conference on Science and Technology for Sustainable Future* organized by Babasaheb Bhimrao Ambedkar University, Lucknow.
4. Kumar, D., Singh, A.K., Gautam, S.K., **Dubey, C.A.**, Vishawakarma, B., Gautam, P.K. and Singh, D.S. (2018). Impact of Climate Change on Swetvarn Glacier of Gangotri catchment from 1976 to 2017, Garhwal Himalaya, India: A Remote Sensing and GIS Approach. *In Second National Conference and Field Workshop on “Recent Studies on the Geology of Kachchh Basin”* organized by Department of Earth and Environmental Science K.S.K.V. Kachchh University, Bhuj, Kachchh.
5. Singh, D.S., **Dubey, C.A.**, Kumar, D. and Vishawakarma, B. (2018). Climate change and its impact on the society is natural or anthropogenic? *In Clean and Green Environmental Society (CGES) Newsletter, Volume 3* organized by Clean and Green Environmental Society, Green Villa, 2/111, Vishwas Khand, Gomti Nagar, Lucknow.
6. Singh, D.S., Agnihotri, R., Tiwari, P., Sawlani, R., Bhushan, R. and **Dubey, C.A.** (2017). Quantification and stable isotopic characterization of the Black Carbon (BC) in sediment deposits in the vicinity of Gangotri Glacier, India. *In Quaternary Environments and Climates: Focus on Holocene and Anthropocene* organized by Birbal Sahni Institute of Palaeosciences, Lucknow.
7. Singh, D.S., Tiwari, A.K., **Dubey, C.A.**, Gautam, P.K. (2016). Rivers of Ganga Plain: Climate Change and Hazards. *In Conference on Ground Water Resources in Uttar*

**Pradesh: Challenges and Management** organized by Central Ground Water Board, Northern Region, Lucknow.

8. Singh, D.S., **Dubey, C.A.** and Kumar, D. (2016). Impact of Climate Change on the Recessional Pattern of the Gangotri Glacier, Garhwal Himalaya, India. *In **Developments in Geosciences in the Past Decade: Emerging Trends for the Future and Impact on Society*** organized by Department of Geology and Geophysics, Indian Institute of Technology, Kharagpur.
9. Singh, D.S. and **Dubey, C.A.** (2016). Paleo-pedological and environmental record from the recessional pattern of Gangotri glacier, Garhwal Himalaya, India. *In **Quaternary Climate: Recent Findings and Future Challenges*** organized by CSIR-National Institute of Oceanography, Dona Paula, Goa, India.

### TRAININGS AND WORKSHOPS

1. Participated in the webinar on "**Glacial Lake outburst flood GLOF in Indian Himalayan region**" on 13 May 2022 organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India.
2. Participated in Workshop on "**Luminescence Dating: Methodology and Applications**" organized by CSIR National Geophysical Research Institute, Hyderabad between 07<sup>th</sup> December to 11<sup>th</sup> December, 2019.
3. Participated in the three day Workshop on "**Applied Biostratigraphy in Mineral and Hydrocarbon Exploration**" held on 20 - 22 November, 2019 at Department of Geology, University of Lucknow, Lucknow and Birbal Sahni Institute of Palaeosciences, Lucknow.
4. Participated in one week "**Training Programme on Role of Remote Sensing and GIS in Natural Resources Management**" organized by Remote Sensing Applications centre, Uttar Pradesh, Lucknow during the period of 27<sup>th</sup> August to 31<sup>st</sup> August 2018.
5. Participated in the "**International Workshop and Training on Water and Urban Initiative**" organized by Department of Geology, University of Lucknow, Lucknow and sponsored by United Nations University Institute for the Advanced Study of Sustainability, Tokyo, Japan held between December 11 - 13, 2017.
6. Successfully participated in the **Field Training Course in Glaciology** organized by Geological Survey of India, Lucknow between 8<sup>th</sup> August 2016 and 9<sup>th</sup> September 2016 at Chandigarh/Manali/Hamtah Glacier, Himachal Pradesh, India.
7. Successfully completed the training course on "**Aquifer Information System and Aquifer Management Plan**" held at Lucknow, Uttar Pradesh from 11.02.13 to 15.02.13 organised by Central Ground Water Board, Northern Region, Lucknow under the aegis of Rajiv Gandhi National Ground Water Training and Research Institute, Raipur.