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Paper in Journals:

1. **Ali, A.A.**, Goswami, B.R., Ligira, N., Dutta, R.K. Sancipat: A Popular Writing-base of Manuscript of Early Assam. *Current Science*, 123:1-6, 2022. (Published as the **Cover Article** and **highlighted** by the journal)
2. **Ali, A.A.**, Dutta, R.K. Restoration and conservation of *Sancipat* manuscripts: a unique type of traditional manuscripts written on *Sānci* bark in medieval Assam (under review).
3. **Ali, A.A.**, Dutta, R.K. Traditional science in pigments and recipe of painting woodcarving in medieval Assam, India. *Journal of Coating Technology and Research*, 1-15, 2023.
4. **Ali, A.A.**, Dutta, R.K. A study of cellulose and lignin extracted from *Sānci* bark and their modification. *Cellulose Chemistry and Technology* (revision submitted).
5. **Ali, A.A.**, Dutta, R.K. Restoration of Heritage Woodcarvings of Assam by a Method based on Their Traditional Preparation (under revision).
6. Mohan, R., Gogoi, S, Borah, A.J., Baruah, G., Bordoloi, S., **Ali, A.A.**, Sharma, H.R., Dutta, R.K. Field experience of Fluoride Nilogon: a method of fluoride removal from groundwater. *Current Science*, 118(2):255-263, 2020.
7. Deka, R., Boruah, P., **Ali, A.A.**, Dutta, R., Gogoi, P., Sarmah, J.K. Smart hydrogel with rapid self-healing and controlled release attributes for biomedical applications. *Smart Materials and Structure*, 31(9):095039, 2022.

Book Chapter:

1. Deka, R., **Ali, A.A.**, Gogoi, P., Sarmah, J.K. Development of Polyvinyl Alcohol-Based Hybrid Hydrogel for Biomedical Applications. In *Progress Material in Science*, PMSR-2020, pages 49-57, ISBN:978-93-5473-472-4, 2020.
2. Choudhuri, S., Chaliha, A., Das, T., **Ali, A.A.** NEP2020's contribution towards Women's Progressive Growth in Society. In *Women's Well-Being Inclusive and Sustainable Growth*, pages 80-88, ISBN:978-81-945305-1-0, 2023
3. **Ali, A.A.**, Deka, R., Khound, S., Sarmah, J.K. Synthesis of nanomaterials based electrochemical sensors. In *Electrochemical Synthesis: Nano, 2D, Ceramic and Perovskite Materials*, Lambert Academic Publishing, 2023 (in press).

Conference/ Seminars participated:

1. Presented a poster on “A Scientific Method for Conservation of Sāncipāt Manuscript” at the International Conference on “Materials Chemistry and Catalysis” organized by the Department of Chemical Sciences, Tezpur University, 4-5 March 2021.
2. Presented a poster on “Conservation of Sāncipāt manuscripts and woodcarvings by methods based on traditional method of preparations” at a national seminar entitled “Sustainability, Medicine and Clean Energy” organized by the Department of Chemical Sciences, Tezpur University, 1 March 2022. [2nd best poster]
3. Presented a poster on “Study of cellulose and lignin extracted from Sāncipāt, a popular writing base of medieval Assam” at a International Conference on “Recent Advances in Materials Chemistry and Catalysis -RAMCC 2023” organized by the Department of Chemistry, Dibrugarh University, 1-3 March, 2023.

Workshops/ Webinar attended:

1. Attended workshop on “Reading & Conservation of Old Manuscripts of Assam” organized by Dr. Surya Kumar Bhuyan Library, Cotton University, Guwahati-781001, 20 March 2020.
2. Participated in workshop on “Hengul-Haital Painting Tradition of Early Assam”, organized by the Department of Chemical Sciences, Tezpur University, 16-21 February 2020.
3. Participated in workshop on “Conservation of Sancipat manuscript and Woodcarving by Customized scientific method” organized by the Department of Chemical Sciences, Tezpur University in collaboration with Kolong Adhyan Kendra, Kaliabor College, and Kolong Kala Kendra, Purnonigudam, at Kaliabor College, Nagaon, Assam, 20-26 February 2021.
4. Participated in workshop on “Restoration of Traditional Woodcarvings & Conservation of Sancipat Manuscript”, organized by the Department of Chemical Sciences, Tezpur University at Auniati Satra, Majuli, Assam, 9-15 March 2022.

5. Participated in workshop on “Water Quality Testing for Lab-Personal of PHED Assam, an initiative of UNICEF Assam”, Organized by the Department of Chemical Sciences, Tezpur University, 8 November 2019.
6. Attended international webinar on “Emerging Materials and Technology for Water Purification” organized by the Department of Physics in collaboration with IQAC, Jawaharlal Nehru College, Pasighat, Arunachal Pradesh, India, 12 August 2020.
7. Attended Seven-Day Virtual Faculty Development Programme on “Recent Advances in Chemistry” organized by the Department of Chemistry, School of Sciences, RK University, Rajkot, Gujarat, 27 December 2021 to 4 January 2022.
8. Attended “Three Weeks Guest Lecture Series (Virtual) On Chemistry Education” organized by the Department of Chemical Sciences, Tezpur University, Tezpur, Assam, India from 28th January to 18th February 2021.
9. Participated in a weeklong Training program on “Sophisticated Analytical Instruments” under “STUTI”- Synergistic Training Program Utilizing the Scientific and Technological Infrastructure, organized by the Department of Chemical Sciences and Sophisticated Analytical Training Centre (SAIC), Tezpur University in association with SAIF, Panjab University, Chandigarh.

Research grant received:

1. Research grant under a scheme for providing grant (up to Rs. 3.00 Lakh per project) towards Research and Innovation to be conducted by the Bonafide students at Tezpur University.
[Vide notification No. DoRD/RIG/10-73/1544-A dated 21.12.2020.
Title of the project: “Scientific analysis of *Hengul-Hāitāl* and other traditional pigments, and restoration and preservation of dilapidated traditional sancipat manuscript of Assam”.]