

Dedicated to.....

MY FOUR PILLARS OF STRENGTH


Ma, Deuta, Migi and Juju



DECLARATION

I do hereby declare that the thesis entitled "*A Circular Approach to Alkaline Urine Dehydration: Polymer-Based Solutions for pH Buffering, Water Recycling and Reduced Energy Footprint*", being submitted to the Department of Energy, Tezpur University, is a record of original research work carried out by me. All sources of assistance have been assigned due acknowledgment. I also declare that neither this work as a whole nor a part of it has been submitted to any other University or Institute for any other degree, diploma or award.

Place: Tezpur University, Tezpur


(Anuron Deka)

Date: 23/12/2024



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CERTIFICATE

This is to certify that the thesis entitled "*A Circular Approach to Alkaline Urine Dehydration: Polymer-Based Solutions for pH Buffering, Water Recycling and Reduced Energy Footprint*" submitted to the Tezpur University in the Department of Energy under the School of Engineering; in partial fulfilment for the award of the Degree of Doctor of Philosophy in Energy, has been examined by us on and found to be satisfactory.

The committee recommends for the award of the degree of Doctor of Philosophy.

Sign. of Supervisor

Date: 23/12/2024

Sign. of External Examiner

Date: 23rd Dec 24th



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CERTIFICATE OF THE SUPERVISORS

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All help received by him from various sources has been duly acknowledged. No part of this thesis has been submitted elsewhere for award of any other degree.

Place: Tezpur University, Tezpur

(Dr. Rupam Kataki)

Date: 23/12/2024

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(Dr. Björn Vinnerås)

Date: 24/07/2024
Professor and Head,
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Swedish University of
Agricultural Sciences.



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