



SIKKIM PROFESSIONAL UNIVERSITY
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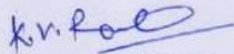
(A state private University under Act 11 of 2008 of Govt of Sikkim)

NH31-A, TADONG, EAST SIKKIM-737102

Half-Yearly Progress Report of Ph.D. Research Scholar

1. Name : **KONAKALLA VEERABHADRA RAO**
2. Degrees for which, he/she has registered : **PHD MANAGEMENT**
3. Registration No. with date of registration : **PHD/2019-20/0055**
4. Name of the Supervisor : **Dr. Vikrant Chauhan**
5. Title of the research project : **EVALUATION AND IMPROVEMENT OF TEXTILE AND CHEMICAL INDUSTRIES WASTE WATER MANAGEMENT FOR ENVIRONMENTAL SUSTAINABILITY: A CRITICAL ANALYSIS**
6. Period of Progress Report : **APR-2020 TO OCT-2020**
7. Books/journals consulted :
If more space required, please attach a separate sheet
8. Experimental work done :
9. Field work done, if any :
If more space required, please attach a separate sheet
10. Percentage of research work completed : **20%**
(As per your assessment)
11. Whether writing of thesis started? : **YES**
12. Whether presented any Seminar on your Research Work? :
13. Courses, as required passed :
14. Any other matter you may like to report :

Date of submission:



Signature of the Research Scholar

For Supervisor/s

Forwarded with comments

The goal of the ongoing research is to identify the textile wastewater management (STWM) techniques that are sustainable and, in turn, to propose a conceptual framework that can improve performance. After a thorough examination of the literature, very noteworthy STWM practises are identified for further investigation. The suggested design demonstrates a clear understanding of sustainable textile wastewater management that depends on operational performance, economic performance, and environmental effect.



Signature of the Supervisor



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6. Period of Progress Report : **NOV-2020 TO MAY-2021**
7. Books/journals consulted :
If more space required, please attach a separate sheet
8. Experimental work done :
9. Field work done, if any :
If more space required, please attach a separate sheet
10. Percentage of research work completed : **40%**
(As per your assessment)
11. Whether writing of thesis started? : **YES**
12. Whether presented any Seminar on your Research Work? :
13. Courses, as required passed :
14. Any other matter you may like to report :

Date of submission:

K.V. Rao

Signature of the Research Scholar

For Supervisor/s

Forwarded with comments

Based on the existing literature, it was discovered in the current study that the various textile industries primarily focused on a variety of characteristics and performance metrics. In addition, a conceptual framework for sustainable textile wastewater management in the textile industry was created. The suggested model was then tested to see how it would fare in terms of operational performance, environmental impact, and economic performance in the textile industry.

V. K. Rao

Signature of the Supervisor



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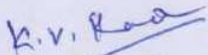
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6. Period of Progress Report : **JUN-2021 TO DEC-2021**
7. Books/journals consulted :
If more space required, please attach a separate sheet
8. Experimental work done :
9. Field work done, if any :
If more space required, please attach a separate sheet
10. Percentage of research work completed : **60%**
(As per your assessment)
11. Whether writing of thesis started? : **YES**
12. Whether presented any Seminar on your Research :
Work?
13. Courses, as required passed :
14. Any other matter you may like to report :

Date of submission:

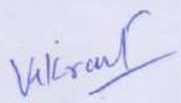

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The research articles on sustainable textile wastewater treatment were separated during the truncation process. The articles are then divided into categories according to STWM practices, such as labor input into the textile industry.

The literature review on sustainable textile wastewater management (STWM) primarily concentrated on policy implications, environmental effects, social impacts, waste utilization, textile industry productivity, sustainability-related issues, as well as operational performance, etc. The primary goal of this study is to pinpoint any research gaps in the current literature and create a conceptual framework to improve performance outcomes.


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6. Period of Progress Report : **JAN-2022 TO JUL-2022**
7. Books/journals consulted :
If more space required, please attach a separate sheet
8. Experimental work done :
9. Field work done, if any :
If more space required, please attach a separate sheet
10. Percentage of research work completed : **100%**
(As per your assessment)
11. Whether writing of thesis started? : **YES**
12. Whether presented any Seminar on your Research :
Work?
13. Courses, as required passed :
14. Any other matter you may like to report :

Date of submission:

K.V. Reddy

Signature of the Research Scholar

For Supervisor/s

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In this study, correlational analysis was also carried out to determine the distributional shape and to test the normality of the provided data obtained from a survey for the sustainability of textile wastewater management. As a result, according to an analysis of the skewness and kurtosis measurement values, they fell within the range of ± 1.5 [362]. The values of skewness and kurtosis are all within the permitted range, which indicates whether the data are normally distributed or not, according to Table . As a consequence, the data was considered to be normally distributed based on the test because each factor's skewness and kurtosis findings fell within the ± 1.5 range.

Vikrant

Signature of the Supervisor