

St. Xavier's College, Mahuadanr Latehar-822119, Jharkhand

1. **Title of the Program :** Synthesis of Potash Alum
2. **Organizing Department / Cell :** Department of Chemistry & Mathematics
3. **Date/Duration :** January 10, 2020
4. **Number of Participants :** 15
5. **Objective of the Program:**
 - Demonstrate and illustrate physical principles or phenomena
 - Teach data handling and error analysis of measurements in practical situations
 - Teach course material that is better suited to the experimental environment
 - Exposure to experimental research methods and time and project management

6. **Detail Description of the Event:**

On January 10, 2020 Research Project has been organized by Department of Mathematics along with Department of Chemistry. 6 professors and students was the part of this project. The topic of the project was to prepare **Potassium Alum $KAl(SO_4)_2 \cdot 12 H_2O$** which is well known as Phitkari. Students were excited to do experiments and learn something new.

Asst. Prof. Binay Kumar Yadav and Asst. Prof. Mukul Toppo instruct the students to how to perform experiments. After the completion of the experiment students showed their respective beakers. Asst. Prof. Mukul Toppo explained the importance and use of Potash Alum in daily use.


7. **Outcome of the Event:**

The Student came to know the importance and use of Potash Alum in daily use.

The project was the knowledgeable session for students to enhance their skill ability.

8. **Brochure of the Event:**

St. Xavier's College, Mahuadanr Latehar-822119, Jharkhand

 **St. Xavier's College, Mahuadanr**
Affiliated to Nilamber- Pitamber University
Department of Chemistry & Mathematics
Study on Synthesis of Potash Alum
January 10, 2020
Organized by
Department of Chemistry & Mathematics

9. Photo:



Fig: Formation of Crystals of Potash Alum Crystal of Potash Alum

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10. List of Participants:



ST. XAVIER'S COLLEGE MAHUADANR

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List of Participants:

S. No.	Students Name	Signature
1.	AMARDEEP NAGESIA	Amardeep Nagesia
2.	NITIN EKKA	Nitin Ekka
3.	SUBHEN KERKETTA	Subhen Kerketta
4.	AALIYA NAJ	Aaliya Naj
5.	ANKIT KUMAR GUPTA	Ankit Kumar Gupta
6.	BICKY DAS	Bicky Das
7.	JIGYASA TOPNO	Jigyasa Topno
8.	MUKESH SAMUDWAR	Mukesh Samudwar
9.	NITESH KUMAR SONY	Nitesh Kumar Sony
10.	PRAVEEN TELRA	Praveen Telra
11.	RITESH TOPPO	Ritesh Toppo
12.	SAMA SIMRAN KUJUR	Sama Simran Kujur
13.	SUSHANT SAMUDWAR	Sushant Samudwar
14.	VINDHYACHAL YADAV	Vindhyachal Yadav
15.	KALPNA KUMARI	Kalpna Kumari

Principal
St. Xavier's College
Mahuadanr