

***“Synthesis and Characterization of Sm³⁺ Doped BaWO₄ Phosphor
for Solid State Lighting Application”***

Sayan Mistry

M. Sc Applied Chemistry 2nd Year (2018-2019)



Under the Guidance of

Dr. Uttam Kumar Ghorai

**Department of Industrial Chemistry & Applied Chemistry,
Swami Vivekananda Research Centre, Ramakrishna Mission
Vidyamandira**

***“Photoluminescence Properties of Na⁺ Co-Doped
CaWO₄:Sm³⁺ Phosphor”***

Sourav Kar

M. Sc Applied Chemistry 2nd Year (2018-2019)



Under the Guidance of

Dr. Uttam Kumar Ghorai

**Department of Industrial Chemistry & Applied Chemistry,
Swami Vivekananda Research Centre, Ramakrishna Mission
Vidyamandira**

*“Development of Sm^{3+} Doped $CaWO_4:Sm^{3+}$ Phosphor
for Solid State Lighting Application”*

Suman Acharya

M. Sc Applied Chemistry 2nd Year (2018-2019)



Under the Guidance of

Dr. Uttam Kumar Ghorai

**Department of Industrial Chemistry & Applied Chemistry,
Swami Vivekananda Research Centre, Ramakrishna Mission
Vidyamandira**

***“Photoluminescence Property of Chemically
Synthesized Tb³⁺ Doped BaWO₄ Phosphor at Different
Excitation Wavelength”***

Gourab Chakraborty

M. Sc Applied Chemistry 2nd Year (2018-2019)



Under the Guidance of

Dr. Uttam Kumar Ghorai

**Department of Industrial Chemistry & Applied Chemistry,
Swami Vivekananda Research Centre, Ramakrishna Mission
Vidyamandira**

*“Preparation, Structural and Optical Characterization
of BaWO₄: Tb³⁺: K⁺ Novel Phosphor”*

Pijush Patra

M. Sc Applied Chemistry 2nd Year (2018-2019)



Under the Guidance of

Dr. Uttam Kumar Ghorai

**Department of Industrial Chemistry & Applied Chemistry,
Swami Vivekananda Research Centre, Ramakrishna Mission
Vidyamandira**

***“Removal of Toxic Cr (Vi) By Graphene Oxide for
Water Purification”***

SujoyMandal

M. Sc Applied Chemistry 2nd Year (2018-2019)



Under the Guidance of

Dr. Uttam Kumar Ghorai

**Department of Industrial Chemistry & Applied Chemistry,
Swami Vivekananda Research Centre, Ramakrishna Mission
Vidyamandira**

***“Synthesis, Structural and Optical
Characterization of SrWO₄: Tb³⁺, Li⁺ Novel
Phosphor”***

Anupam Ghosh

M. Sc Applied Chemistry 2nd Year (2018-2019)



Under the Guidance of

Dr. Uttam Kumar Ghorai

**Department of Industrial Chemistry & Applied Chemistry,
Swami Vivekananda Research Centre, Ramakrishna Mission
Vidyamandira**

***“Synthesis, Structural and Optical Characterization of
SrWO₄: Tb³⁺ Novel Phosphor”***

Dipayan Tewari

M. Sc Applied Chemistry 2nd Year (2018-2019)



Under the Guidance of

Dr. Uttam Kumar Ghorai

**Department of Industrial Chemistry & Applied Chemistry,
Swami Vivekananda Research Centre, Ramakrishna Mission
Vidyamandira**

***“Removal of Toxic Cr (Vi) By Reduced Graphene
Oxide for Water Purification”***

Arnab Goswami

M. Sc Applied Chemistry 2nd Year (2018-2019)



Under the Guidance of

Dr. Uttam Kumar Ghorai

**Department of Industrial Chemistry & Applied Chemistry,
Swami Vivekananda Research Centre, Ramakrishna Mission
Vidyamandira**

**“Synthesis and characterization of pure $BaWO_4$ and K^+
co-doped $BaWO_4:Sm^{3+}$ phosphor”**

Sourya Paul

M. Sc Applied Chemistry 2nd Year (2018-2019)



Under the Guidance of

Dr. Uttam Kumar Ghorai

**Department of Industrial Chemistry & Applied Chemistry,
Swami Vivekananda Research Centre, Ramakrishna Mission
Vidyamandira**

**“Synthesis and characterization of pure $BaWO_4$ and K^+
co-doped $BaWO_4:Sm^{3+}$ phosphor”**

Sourya Paul

M. Sc Applied Chemistry 2nd Year (2018-2019)



Under the Guidance of

Dr. Uttam Kumar Ghorai

**Department of Industrial Chemistry & Applied Chemistry,
Swami Vivekananda Research Centre, Ramakrishna Mission
Vidyamandira**