

## CURRICULUM VITAE:

### STHITADHI MAITI



#### PERSONAL DETAILS:

**DATE OF BIRTH:** 27<sup>th</sup> May, 1994

**SEX:** Male

**NATIONALITY:** Indian

#### CONTACTS:

**Home Address:** 2-C Madhumita Apartment, Mahamayatala, P.O.  
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#### EDUCATION:

Currently a student of M.Sc., Chemistry, 3<sup>rd</sup> semester (Final Year) at IIT Guwahati.

Examination/ Degree	Board	Institution	Year	Elective Subjects	% of Marks
AISSE (Secondary) (Class X)	CBSE	Sainik School Purulia	2009	Mathematics, General Science, Social Science, English, Bengali	87.0 %
AISSCE (Senior Secondary) (Class XII)	CBSE	B.D Memorial Institute	2011	Mathematics, Physics, Chemistry, Biology, English, Bengali	87.6 %
B.Sc (Chemistry Hons.)	University of Calcutta	Ramakrishna Mission Vidyamandira, Belur Math	2014	Chemistry (Hons.), Physics(Gen) Mathematics(Gen)	71.12 %
M.Sc (Chemistry) (Final Year)	IIT Guwahati	Indian Institute of Technology Guwahati	2015	Chemistry	CPI (upto 2 <sup>nd</sup> Sem) 9.02

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## SCHOLARSHIPS AND ACADEMIC HIGHLIGHTS:

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1. Awarded the **JBNSTS (Jagadish Bose National Science Talent Search) 2011 Senior Scholarship** — one of the most prestigious academic awards in West Bengal. (Among selected 56 undergraduate students out of 2000 applicants)
2. Selected for “**DST-INSPIRE Fellowship, Govt. Of India**” for the time period of **2011-2016**.
3. Ranked **All India 91<sup>st</sup>** in highly competitive nationwide entrance exam **IIT JAM**
4. Chosen for internship under **SRFP (Summer Research Fellowship Program) 2015** at **JNCASR (Jawaharlal Nehru Centre for Advanced Scientific Research), Bangalore** under **Dr. Sebastian C. Peter**.

## AREAS OF INTEREST:

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Water oxidation and reduction catalysis, Bioinorganic chemistry, Organometallic compounds in catalysis, uses of complexes in Cancer Therapy, Supramolecular and Nano-chemistry.

## SCIENTIFIC EXPERTISE:

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Experienced and skilled in the instruments involved in a standard chemistry lab. Well versed with the basic synthetic, separation and purification technique. Experienced in data interpretation of spectroscopic techniques such as IR, NMR, UV-VIS, and Fluorescence spectroscopy, SC-XRD and PXRD.

Familiar with software programmes such as Chem Bio Draw, Origin, FORTRAN and PyMOL.

## RESEARCH EXPERIENCE:

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- Performed summer project as a part of SRFP-2015 on “*Synthesis of Polyoxometalate based organic-inorganic hybrids for applications in Catalysis and Biology*” under the guidance of **Dr. Sebastian C. Peter**, at JNCASR, Bangalore, India
- M.Sc course project on **sensing** of biologically important metal ions such as  $\text{Zn}^{2+}$ ,  $\text{Cu}^{2+}$  and  $\text{Fe}^{2+/3+}$  under the supervision of **Prof. Gopal Das**, at IIT Guwahati, Guwahati, India

## OTHER ACADEMIC EXPERIENCE:

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1. Participated in “CULT- VISION” 2012 and 2013 organized by the Research Scholars’ Association, Indian Association for Cultivation of Sciences (**IACS**), Kolkata
2. Visited Bangalore for TEP (Talent Enrichment Programme) organized by **JBNSTS**. Toured the renowned research institutes such as IISc (Indian Institute of Science), JNCASR, RRI (Raman Research Institute), ISI (Indian Statistical Institute), etc. and visited their world class labs.
3. Attended lecture by **Prof. Oren A. Schermann** from **University of Cambridge** on the topic “**Functional materials: Exploiting dynamic self-assembly at interfaces**” focussing on development of controlled polymer architecture and hybrid nanoparticle-soft matter assemblies.

## HOBBIES AND INTERESTS:

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- Singing
- Painting
- Origami
- Photography
- Listening to Music
- Reading story books and popular science articles