

**Dedicated  
to  
My Beloved Parents**

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**Varanasi-221005, India.**

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## Forwarded

*Pandey*

**Professor P.C.Pandey**

**Supervisor**

Department of Chemistry  
Indian Institute of Technology  
(Banaras Hindu University)  
Varanasi-221005, India

**Prof. P. C. Pandey**

Department of Chemistry  
Indian Institute of Technology (IIT)  
Varanasi-221005

*Rastogi*  
10.8.16

**Professor R.B.Rastogi**

**Head**

Department of Chemistry  
Indian Institute of Technology  
(Banaras Hindu University)  
Varanasi-221005, India

विभागाध्यक्ष/HEAD

रसायन विज्ञान विभाग

Department of Chemistry  
भारतीय प्रौद्योगिकी संस्थान (का.हि.वि.वि.)  
Indian Institute of Technology (I.I.T.)  
वाराणसी-221005 / Varanasi-221005

## Undertaking from the Candidate

I, **Digvijay Panday**, research scholar under the supervision of **Professor P.C.Pandey**, Department of Chemistry, Indian Institute of Technology (Banaras Hindu University), Varanasi give undertaking that the thesis entitled "**Studies on nanocrystalline Prussian blue and its mixed metal analogue for analytical application**" submitted by me for the degree of **Doctor of Philosophy** is a record of first-hand research work carried out by me during the period of study.

I avail myself to responsibility such as an act will be taken on the behalf of me, mistakes, errors of facts, and misinterpretation are of course entirely my own.

**Date:** 10/08/2016

**Place:** Varanasi

  
(Digvijay Panday)

### Candidate's Declaration

I, **Digvijay Panday**, certify that the course work embodied in this Ph.D. thesis is my own bonafide work carried out by me under the supervision of **Professor P.C.Pandey**, Department of Chemistry, Indian Institute of Technology (Banaras Hindu University) Varanasi in a period of approximately 4 years 10 months from September, 2011 to July 2016) at Indian Institute of Technology (Banaras Hindu University), Varanasi. The matter embodied in this thesis has not been submitted for the award of any other degree/diploma.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and the body of the thesis. I further certify that I have not wilfully lifted up some other's works, paragraph, text, data, result etc. reported in the journals, books, magazines, reports, dissertations, thesis, etc., or available at websites and included them in this Ph.D. thesis and cited as my own work.

Date: 10/08/2016

Place: Varanasi

*Digvijay Panday*  
(Digvijay Panday)

### CERTIFICATE FROM THE SUPERVISOR

This is to certify that the above statement made by the candidate is correct to the best of our knowledge.

*(Pandy)*  
(Professor P.C.Pandey)  
Supervisor  
Department of Chemistry  
Indian Institute of Technology  
(Banaras Hindu University) Varanasi  
Varanasi-221005, India  
**Prof. P. C. Pandey**  
Department of Chemistry  
Indian Institute of Technology (IIT), (Banaras Hindu University) Varanasi  
Varanasi-221005

*Rastogi*  
10 8 16  
(Professor R.B.Rastogi)  
Head  
Department of Chemistry  
Indian Institute of Technology  
(Banaras Hindu University) Varanasi  
Varanasi-221005, India  
विभागध्यक्ष/HEAD  
रसायन विज्ञान विभाग  
Department of Chemistry  
भारतीय प्रौद्योगिकी संस्थान (का.हि.वि.वि.)  
Indian Institute of Technology (B.H.U.)  
वाराणसी Varanasi-221005

## Course work / Comprehensive Examination / Pre Submission Seminar Completion Certificate

This is to certify that Mr. Digvijay Panday, a bonafide research scholar of Department of Chemistry, Indian Institute of Technology (Banaras Hindu University), Varanasi has successfully completed the course work / comprehensive examination / pre-submission seminar requirement which is a part of his Ph.D. programme.

**Date:**  
**Place:** Varanasi

*Rashmi*  
10.8.16

**Head**

Department of Chemistry  
Indian Institute of Technology  
(Banaras Hindu University)  
Varanasi

विभागाध्यक्ष/HEAD  
रसायन विज्ञान विभाग  
Department of Chemistry  
भारतीय प्रौद्योगिकी संस्थान (का.हि.वि.वि.)  
Indian Institute of Technology (B.H.U.)  
वाराणसी-221005 / Varanasi-221005

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## Pre-submission Seminar Completion Certificate

This is to certify that **Mr. Digvijay Panday**, a bonafide research scholar of Department of Chemistry, Indian Institute of Technology (Banaras Hindu University) Varanasi, has successfully completed the pre-submission seminar requirement on the topic "**Studies on nanocrystalline Prussian blue and its mixed metal analogue for analytical application**" on dated 11-02-2016 which is a part of this Ph.D. programme.

**Date:**

  
(Prof. P.C. Pandey)

  
(Prof. R. B. Rastogi)

**Place: Varanasi**

**Supervisor**

**Prof. P. C. Pandey**  
Department of Chemistry  
Indian Institute of Technology (IIT)U  
Varanasi-221005

**Head**

विभागाध्यक्ष/HEAD  
रसायन विज्ञान विभाग  
Department of Chemistry  
भारतीय प्रौद्योगिकी संस्थान (का.हि.वि.वि.)  
Indian Institute of Technology (I.I.T.)  
वाराणसी-221005 / Varanasi-221005

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**Title of the Thesis** : Studies on nanocrystalline Prussian blue and its mixed metal analogue for analytical application.

**Candidate's Name** : Digvijay Panday

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