

Shri Shankaracharya Engineering College

(Managed by Shri Gangajali Education Society, Bhilai)

JUNWANI. P.O. NEHRU NAGAR, BHILAI - 490 020 (C.G.)

Phone : 0788 - 3209098 Fax : 0788 - 2291606



No.SSEC/Estt/2011/ 468

Date: 13.09.2011

EXPERIENCE CERTIFICATE

This is to certify that **Dr. Santosh Singh Thakur** worked in our college as Sr. Associate Professor in the Department of Applied Chemistry from 01.07.2008 to 23.07.2011.

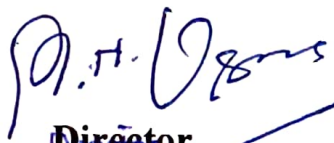
He performed his duties with utmost diligence and integrity as Head of Applied Chemistry Department.

He was hard working with very good Teaching & Research abilities.

We wish him success in his future career.

To,

Dr. Santosh Singh Thakur
Ex-Sr. Asso. Prof.


Director
Shri Shankaracharya Engineering College
Junwani, Bhilai

Shri Shankaracharya College of Engineering & Technology

(Managed by Shri Gangajali Education Society)

JUNWANI, P.O. NEHRU NAGAR, BHILAI – 490 026 (C.G.) INDIA
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No. SSCET/Estt/2011/1155

Date: 18.06.2011

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Dr Santosh Singh Thakur** joined our institution as Lecturer on 06.06.1999 and rose to the post of Reader. He continued with us till 30.06.2008 including the period between July 2004 to December 2007 when he was away to south Korea on special study leave for his post doctoral research work.

Dr Santosh Thakur has been a hardworking teacher and possessed a good moral character.

We wish him success in his life.


(Dr P B Deshmukh)
DIRECTOR

DIRECTOR
Shri Shankaracharya College Of Engg. & Tech.
Junwani, Bhilai- 490020



INHA UNIVERSITY

DEPARTMENT OF CHEMISTRY

#253, YONGHYEON-DONG, NAM-KU, INCHON 402-020, KOREA / TEL: (032)860-7670 FAX: (032)867-5604

August 29, 2002

TO WHOMSOEVER IT MAY CONCERN

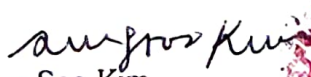
I am writing this letter on the behalf of Dr.Santosh S. Thakur. He successfully persuaded his duty as a postdoctoral fellow w.e.f. September 2001 to August 2002 under the Brain Korea 21 program supported by the Ministry of Education and Human Resources Development of Republic of Korea. I found that he is a very bright, sincere and dynamic candidate having practical sense of doing experiments. Dr. Thakur's Ph.D. thesis concerns the "Reactivity and Mechanism of Acidic and Alkaline Hydrolysis of Hydroxamic acid derivatives" however, he has been successfully engaged with biomimetic catalysis in my laboratory. He communicated one paper in *Tetrahedron*, with me. Another paper to *JOC* is in a progress.

Further he has sound knowledge in chemistry and innovative thinking. He has strong inclination towards higher studies and able to learn new techniques. He is well acquainted with the computers. As a person he is very amicable and can lead the coworkers. He also supported the graduate students for practical assignments. I am very much impressed by his performances. Dr. Thakur bears a high moral character and can be quite successful in the collaboration with you. Therefore, I have no hesitation to recommend him for the post doc position with you.


I wish him all the success in securing a respectable academic/research position.

With warm regards.

Sincerely


Sung Soo Kim

(Professor)





Nov. 15, 2007

TO WHOMSOEVER IT MAY CONCERN

Dr Santosh Singh Thakur is known to me since July, 2004. Dr Thakur has collaborated with me as a postdoctoral research fellow until May, 2006. He was actively involved in the industrial research project entitled "design and synthesis of heterometallic chiral salen complexes and their catalytic application to prepare enantiopure terminal epoxides." These dinuclear complexes have also been proved to be very active and enantioselective catalyst for the synthesis of various optically pure chiral intermediates, used in chiral drug industry. I found Dr Thakur is very bright, sincere and dynamic fellow having practical sense of doing experiments. During association with me he has published many research articles in the peer-reviewed journals. One of his papers has published with cover page in *Tetrahedron Letters* (2005, 46, 2263-2266).

Further he has sound knowledge and innovative idea in chemical science. He has strong inclination towards higher studies, interdisciplinary science and able to learn new techniques. He is well acquainted with computers, online journal search and submissions, SCI finder, ChemDraw, Origin etc. He also guided the graduate students for practical assignments and partly teaching. I am very much convinced by his performance. As a person he is very amicable and can lead the coworkers.

I wish him success in securing a respectable academic/research position.

Sincerely,

Prof. Geon-Joong Kim
E-mail: kingj@inha.ac.kr





Dec. 3, 2007

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Dr. Santosh Singh Thakur** has worked as a **Senior Scientist** w.e.f. from June 2006 to December 2006, with me. During this period we had a great deal of academic and scientific interaction with him. Recently, his research work entitled "*Heterogeneous Enantioselective Catalysis Using Inorganic Supports*" has been communicated as book chapter in the "Handbook of Asymmetric Heterogeneous Catalysis" to be published by Wiley-VCH, Weinheim. Design of nanostructured chiral catalyst is also the part of his research interest and the research article *Nanostructured Heterogeneous Chiral Catalysts*, is under pipeline for the communication to the Chem. Commun. as a feature article. Dr. Thakur has published several research articles in various national and international SCI journals.

He is a sincere and hardworking researcher capable of grasping ideas quickly in the interdisciplinary branch of chemistry. He keeps in touch with current scientific database, modern analytical and separation techniques and instrumentation of his area of interest. Further, he has strong inclination towards higher education and guided/taught the graduate students for their theory and practical assignments. As a person, he is very cooperative and possesses pleasing manners. I wish him well in his endeavors.

With warm regards,

Prof. Song Choong Eui

E-mail: s1673@skku.edu



January 1, 2008

TO WHOM IT MAY CONCERN

This is to certify that **Dr. Santosh Singh Thakur** has been a postdoctoral fellow with effective from January 1, 2007 to December 31, 2007 with me under Brain Korea 21 program supported by Ministry of Education and Human Resources Development, Republic of Korea. Recently, his research work involves in the field of synthesis and characterization of nanostructured materials and their application as heterogeneous catalysts. Design of nanostructured chiral catalyst, is also the part of his research interest. Part of his work entitled "*Enantioselective Diels-Alder Reactions of Cyclopentadiene with Chiral Acrylates in Confined Nanospaces of Al-MCM Materials*" was presented at the 2007 AIChE Annual Meeting (Salt Lake City, USA) as a poster. Dr. Thakur has submitted some manuscripts based on his results in my laboratory and co-authored few papers which are accepted in Chemistry Letters and Journal of Industrial and Engineering Chemistry. Before working with me, Dr. Thakur has also published several research articles in various national and international journals of repute. He is a very sincere, hardworking and practical sense of doing experiments, additionally guided the graduate students for their practical assignments. As a person he is very amicable and bears a high moral character.

I wish him success to secure senior scientific/academic position.

With best wishes and regards,

Prof. Ji Man Kim
Associate Professor

Functional Materials Laboratory

Department of Chemistry and SKKU Advanced Institute of Technology

Sungkyunkwan University, Suwon, 440-746, South Korea

Tel: 031-299-4177 E-mail: jimankim@skku.edu





राष्ट्रीय रासायनिक प्रयोगशाला, पुणे

NATIONAL CHEMICAL LABORATORY

PUNE - 411 008. INDIA.

डॉ. एस. शिवशंकर

उपनिदेशक

Dr. S. Sivasanker

Deputy Director

May 31,2003

Pune

To whomsoever it may concern

This is to certify that Dr. Santosh Singh Thakur successfully completed his duty as Summer Teacher Fellow of Indian Academy of Sciences, Bangalore w.e.f. April 06,2003 to May 31,2003. During this period he worked under my guidance and submitted a report entitled "Dealumination of Zeolite H- β and Acylation of Anisole by Acetic Anhydride Over Zeolites H- β , H-Y and Mordenite". He learned various instrumental techniques of analysis such as GC, GC-MS, FT-IR and XRF.

He is a sincere, intelligent and dynamic researcher capable of grasping ideas quickly and having practical sense of doing experiments. I found him to be able to plan and carry out his work independently and efficiently. He keeps in touch with the latest literature in the area of his interest. He has strong inclination towards research and development.

Dr. Thakur is comfortable in working in a group. He has the good habit of discussing scientific problems with senior scientists and friends. He possesses pleasing manners. I wish him well in his endeavor.

Sincerely,

(Dr. S. Sivasanker)



Indian Academy of Sciences

C.V. Raman Avenue, Post Box No. 8005
Bangalore 560 080

CERTIFICATE

This is to certify that Dr Santosh Singh Thakur worked on a project entitled "Dealumination of Zeolite H- β and Acylation of Anisole by Acetic Anhydride over Zeolites H- β , H-Y and Mordenite" as a summer visiting teacher-fellow of the Indian Academy of Sciences during April-May 2003 under the supervision of Dr S. Sivasanker, National Chemical Laboratory, Pune.

*Place: Bangalore
Date: 05/06/2003*

*N. Mukunda
Chairman, Education Panel*