CHANDRASHEKHAR CHANNAPURA HALAPPA

Guest Lecturer

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About Me

A graduate with strong communication and organizational skills gained in chemistry, now seeking to move into a career as an chemist. Whilst my degree is in General chemistry a large majority of the course consisted of chemistry. I feel I have learned more than just the theory behind chemistry but also many fundamental skills for my career and life.

As I am a student I have other qualities to bring to the work place such as good team work, organizational skills, efficiency and I am very meticulous, I show pride in all the work I do, I work well under pressure and I love a challenge. I posses excellent verbal and written communication skills and am able to relate to a wide range of people. All these skills have been enhanced during all the work experiences I have gained over the years.

Objective

To associate myself with an organization which has the potential for future growth and ample scope of learning and further enhance my skills through constant learning and meet the challenges in work

ADDRESS

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EXPERIENCE

INDIAN INSTITUTE OF SCIENCE – BANGALORE,INDIA
POSTDOCTROL
MENTOR-DR. E.N.PRABHAKARAN
Feb 2008 – July2009

Retained for 6monts contract to do R&D research with organic synthesis in peptide projects. Operated and maintained analytical

INDIAN INSTITUTE OF SCIENCE – BANGALORE, INDIA
POSTDOCTROL
MENTOR- DR.SATISH PATIL
Sep2010 – Feb 2011

Retained for 6monts contract to do R&D research with organic synthesis in organic electronic projects. Operated and maintained analytical instrumentation and prepared lab

instrumentation and prepared lab reports summarizing findings. .

Outcomes:

Gained experience organic synthetic methods including oxidation reactions, Reduction reaction, Named reactions and moisture sensitive, coupling reactions.

Played a key role in peptide development in lab and preparing blend sheets for review for my professor.

Contributed to significant changes in synthetic pathway in lab and learnt new techniques from my R&D team.

Submitted test results on time, with efforts cited as instrumental in lab, carried out more than 150 reactions among them 100 different reactions
Investigated and offered viable solutions for problem batches, leveraging analytical strengths to isolate issues and facilitate their timely resolution

KYOUNGPOOK NATIONAL UNIVERSITY– DAEGU,SOUTH KOREA

POSTDOCTROL
MENTOR- DR. HAK-RIN KIM
June2011 – Sep2012

Having direct responsibility for solving the practical problems in the manufacture and use in the company's projects. Also in overall charge of the Organic Electronics laboratory, conducting tests on different materials in order to determine the safety, or capability of a certain material before any testing is made.

Outcomes

Working closely with process chemists and chemical technicians to ensure maximum output levels and the efficient running of the production facility.

Attending all process safety reviews as necessary and making sure that all agreed recommendations are adhered.

Attend weekly progress meetings with other members of the development team.

reports summarizing findings. .

Outcomes:

Gained experience organic synthetic methods including Perylene, Naphthelene, Fullerene and Thiophene reaction including moisture sensitive reactions.

Played a key role in chemical synthesis in lab and preparing blend sheets for review for my professor.

Contributed to significant changes in synthetic pathway in lab.

Submitted test results on time, with efforts cited as instrumental in lab, carried out 75 different reactions out of which several reactions were fruitful.

Investigated and offered viable solutions for problem batches, leveraging analytical strengths to isolate issues and facilitate their timely resolution

CHUNGNAM NATIONAL UNIVERSITY – DAEJEON,SOUTH KOREA

POSTDOCTROL
MENTOR-DR.SO-JIN PARK
Sep2012 – Mar2013

Having direct responsibility for solving the practical problems in the field of usage of nanoparticle on industrial wastewater toxicity detection and removal. Also conducting tests on different materials in order to determine the safety, danger or capability of a certain material before any testing is made

Outcomes

Working closely with neighbor chemists and chemical technicians to ensure maximum output levels.

Attending all process safety reviews as necessary

Attend weekly progress meetings with other members of the development team.

Involved in researching ways to develop new and

Involved in researching ways to develop new and improved chemical manufacturing processes.

Partcipating investigation and developing process in chemistry.

Providing technical expertise, leadership and direction to various work groups.

Developing strict safety guidelines are making sure they are adhered to.
Involved in building small-scale models of the actual processing facilities.

improved chemical manufacturing processes.

Participating in incident investigation

Developing process chemistry.

Developing strict safety guidelines are making sure they are adhered to.

Involved in building small-scale models of the actual processing facilities.

SABIC INNOVATIVE PLASTICS – BANGALORE
POSTDOCTROL
MENTOR-DR.EDWARD NESAKUMAR
Sep2013 - 2014

Having direct responsibility for solving the practical problems in the field of superabsorbent polymer synthesis and use of the company's products. Also, conducting tests on different materials in order to determine the safety, danger or capability of a certain material before any testing is made.
Outcomes

Working closely with neighbor chemists and Team leader to ensure maximum output levels and the efficient running of the production facility.

SABIC INNOVATIVE PLASTICS – BANGALORE
POSTDOCTROL
MENTOR-DR.SUSHANTH MITRA
Sep2013 - 2014

Attending all process safety reviews as necessary and making sure that all agreed recommendations are adhered to.

Synthesized Super Absorbent Polymers to develop various applications.

Involved in researching ways to develop new and improved chemical manufacturing processes.

EDUCATION

SAHYADRI SCIENCE COLLEGE-SHIMOGA
BATCHELOR OF SCIENCE
1999 – 2003

Studied bachelor science in the subject Physics , Mathematics, Chemistry and languages Kannada , English Passed in second class with 56%

KUVEMPU UNIVERSITY-SHANKARAGHATTA
MASTER OF SCIENCE
2003 - 2005

Studied Master degree in the subject General Chemistry with papers Analytical, inorganic, organic ,physical chemistry as major subjects, passed in first class with 67%

KUVEMPU UNIVERSITY-SHANKARAGHATTA
DOCTOR OF PHILOSOPHY
2005 – 2008

In my studies taken the topic Enumeration and Investigation of medicinal plants, some naphthofuran for Antidiabetic activity.

KUVEMPU UNIVERSITY-SHANKARAGHATTA
DOCTOR OF PHILOSOPHY
2005 – 2008

I carried out synthesis and extraction process of medicinal plants and some pharmacological activities.

PROFESSIONAL APPOINTEMENTS

SAHYADRI SCIENCE COLLEGE-SHIMOGA

GUEST LECTURER

2005 – 2008

Duties

Preparing and giving lectures to students and conducting discussion on the topic taught

Scheduling practicals and inspecting equipments and components in labs

Assisting students in doing experiments in labs and taking safety precaution

Explaining chemical analysis to students using drawings and schematics

Evaluating and grading class work, practicals, and assignments of students

Participated in faculty meetings and workshop training

SRINIVAS SCHOOL OF ENGINEERING-MUKKA ,MANGALORE

ASSISTANT PROFESSOR

Sep2009 –june2010

Duties

Preparing and giving lectures to students and conducting discussion on the topic taught

Scheduling practicals and inspecting equipments and components in labs

Assisting students in doing experiments in labs and taking safety precaution

Explaining chemical analysis to students using drawings and schematics

Evaluating and grading class work, practicals, and assignments of students

Participated in faculty meetings and workshop training

ACHAYRYA INSTITUTE OF GRADUATE STUDIES-BANGALORE

ASSISTANT PROFESSOR

July2014 – Aug 2015

Duties

Preparing and giving lectures to students of Master degree and conducting discussion on the topic taught.

Scheduling practicals and inspecting equipments and components in labs.

Assisting students in doing experiments in labs and taking safety precaution.

Explaining organic chemical analysis to students using drawings and schematics.

Evaluating and grading class work, practical's, and assignments of students.

Participated in faculty meetings and workshop training.

SAHYADRI SCIENCE COLLEGE- SHIMOGA

GUEST LECTURER

July2016 – Aug2018

Duties

Preparing and giving lectures to students of Master degree and conducting discussion on the topic taught.

Scheduling practicals and inspecting equipments and components in labs.

Assisting students in doing experiments in labs and taking safety precaution.

Explaining organic chemical analysis to students using drawings and schematics.

Evaluating and grading class work, practicals, and assignments of students.

WORKED IN PROJECTS

Worked on project supported by CSIR, New Delhi. On the topic Peptide.

Worked on project supported by SAMSUNG Electronics, South Korea.

COURSE ATTENDED

Attended Institute of Semiconductor Fusion Technology Course , Daegu, South Korea conducted by ISFT

Attended Symposium on Nano- Technology for Advanced electronics 2012

RESEARCH EXPERIENCE

Designing the molecules and problem solving strategy in synthetic organic chemistry Knowledge of medicinal chemistry and heterocyclic chemistry

Experience in pharmaceutical and their biological studies like Antimicrobial,Anthelmintic,Analgesic,

Application of IR, NMR, UV, for the characterization of organic compounds

Interpretation of results of XPS, XRD,SEM, AFM, FTIR-ATR

Expertise in multi-step organic synthesis, catalytic reactions, heterocyclic Chemistry

LBL Assembly of organic –inorganic hybrid, self assembledmonolayers

Synthesis of heterocycles like Azodyes Naphthofuran, Peptide, Fullerene, Perylene, Naphthalene Chemistry

Handled instrumentation and separation techniques such as, UV-VIS, IR and column chromatography, FlashColoumn chromatography

POSTDOCTROL CONFERENCES

Ji-sub Park, Kyung-Woo Park,Do-Hyuk Park,Kyung-il Joo, **Chandrashekhar. C.H**, Jae-Hoon Kim, Hak-Rin Kim, ICAMD, 2011, December,7-9,2011, Jeju, South Korea. Alkyl chain ordering effect of self assembled monolayers with bottom-up approaches by anisotropic surface.

박지섭,박창섭,노희 연, **Chandrashekhar. C. H,**박도혁, 김정욱, 윤태훈, 김학린, Photonic Conference,2011, Gangwon, South Korea.

Siva Pratap Reddy,Hee- Sung Kang, Dong- seo Kim, **ChandrashekharC.H,** Jung-Hee Lee, V. Rajagopal Reddy,IPRM,2012,Santa Barbara, USA. Effect of temperature on series resistance determination of Au/ polyvinyl alcohol/n-InP Schottky structures.

POSTDOCTROL PUBLICATINS

Channapura Halappa Chandrashekhar, So-Jin Park, Homeotropic alignment of liquid crystals on ITO surface using LBL-Assembly *Journal of society and Information Display.vol-26, issue-7, 2018*

Channapura Halappa Chandrashekhar , So-Jin Park, Photo switchable Polysiloxane Self Assembled monolayer. IJRASET,Vol-7,Issue-VII,2019

Channapura Halappa Chandrashekhar , So-Jin Park, Organic self-assembled monolayer for microfluidics a Review. *Biomicrofluidics (to be communicate)*

Channapura Halappa Chandrashekhar *So-Jin Park, Pattern formation using polystyrene benzaldeimine selfassembled monolayer by X-ray. Surface and Interface Analysis ,2018,1-5*

Channapura Halappa Chandrashekhar *, So-Jin Park, Electrostatic Layer-by-Layer self assembly for tuning hydrophilic ITO glass to wenzel superhydrophobic surface. IJRASET,Vol-7,Issue-VII,2019*

Channapura Halappa Chandrashekhar *, So-Jin Park, Interaction of silica nano particles with mercury for industrial application. Bulletin of Korean chemical society (to be communicate)*

RESEARCH CONFERENCES

1. C.H. Chandrashekhar, K.P. Latha, H.M. Vagdevi, V.P. Vaidya. *Anthelmintic activity of the crude extracts of Ficus racemosa Linn.* Abstracts of posters, NCEACB national Conference in chemistry, 23rd March – 24th March 2007.

2 .C.H. Chandrashekhar, K.P. Latha, H.M. Vagdevi, V.P. Vaidya. Antidiabetic activity of Various extracts of *Ficus racemosa Linn..* Abstracts of posters, 3rd Kannada Vijnana Sammelana, Karnataka Science Congress, and 15th June – 17th June 2008.

3 .C.H. Chandrashekhar, Conference attended, national Seminar on Recent Advances in Electrochemical and Surface Sciences for Industry and Society 3 rd – 4th December 2004.

4 .C.H. Chandrashekhar, Conference attended, national Seminar on Emerging Trends in Material Sience 5th October 2018.

5 .C.H. Chandrashekhar, Conference attended, International conference on current trends in chemistry and Biochemistry, ICCTCB,2009

6 .C.H. Chandrashekhar, Conference attended, Emerging Trends in Material Science, 5th October 2018

7 .C.H. Chandrashekhar, K.P. Latha, H.M. Vagdevi, V.P. Vaidya. Investigation of antidiabetic activity of crude extracts of *Ficus racemosa Linn (Moraceae).* Abstracts of posters, ICMR national Conference in Medicinal chemistry, 22rd June – 24th June 2008.

8 .C.H. Chandrashekhar, K.P. Latha, H.M. Vagdevi, V.P. Vaidya. Abstracts of posters, Chemistry Frontiers in chemical research, ICFCR,29-31, December2008

9 .C.H. Chandrashekhar, K.P. Latha, H.M. Vagdevi, V.P. Vaidya. *Bismuth nitrate catalysztd 2-aminocyano pyridines of napthofuran* Abstracts of posters, Chemistry and Molecular Nanotechnology,16-17th January 2009

10 .C.H. Chandrashekhar, Conference attended, national Seminar on management of neurodegenerative disorders- challenges and opportunities, 5th March 2006

11 .C.H. Chandrashekhar, Nationals seminor attended, Recent developments in chemical sciences, RDCS,28-29th,December--2018,

12 .C.H. Chandrashekhar, Conference attended, Role of international medicines and natural products in management of neurodegenerative disorders, TRNMND,22-24TH,June, 2008

RESEARCH PUBLICATIONS

1.C.H. Chandrashekhar, K.P. Latha, H.M. Vagdevi, V.P. Vaidya. Anthelmintic activity of the crude extracts of *Ficus racemosa.* International Journal of Green Pharmacy, 2008, 102-103.

2.C.H. Chandrashekhar, K.P. Latha, H.M. Vagdevi, V.P. Vaidya, M.L. Vijay kumar. A series of 2-amino-4-(substituted phenyl)-6-naphtho [2, 1-b] furan-2-yl-nicotinonitriles 4(a-g) have been prepared by the cyclocondensation of malononitrile, aromatic aldehyde and ammonium acetate with 2-acetylnaphtho [2,1-b] furan."Indian Journal of Heterocyclic Chemistry. 2009, 345-348.

3.C.H. Chandrashekhar, K.P. Latha, H.M. Vagdevi, V.P. Vaidya One pot synthesis of 2-Amino-4-(Substituted-Phenyl)-6-Naphtho[2,1-*b*]Furan-2-yl-Nicotinonitrile derivatives by using Bismuth Nitrate Pentahydrate as efficient catalyst *Der Pharmacia Sinica, 2013, 4(1):37-39*

4.C.H. Chandrashekhar, K.P. Latha, H.M. Vagdevi, Soil Sample analysis, *Analgesic, Antoixidant And Antimicrobial Activity of Ficus racemosa Linn bark*. **(To be communicate)**

5.C.H. Chandrashekhar, K.P. Latha, H.M. Vagdevi, Antidiabetic, Antioxidant activity of synthesized naphtho[2,1-b]furan derivatives **International Journal of Pharma And Chemical Research,** , (Accepted)

6.C.H. Chandrashekhar, K.P. Latha, H.M. Vagdevi, V.P. Vaidya. Synthesis and antimicrobial activity of naphtho[2,1-b]furan condensed with barbituric acid **Der Pharma Chemica, 2011, 3 (6):365-369**

7.C.H. Chandrashekhar, K.P. Latha, H.M. Vagdevi, V.P. Vaidya. *In vitro* Anthelmintic efficacy of the *Prosopis staphaniana* Extracts**. Der Pharma Chemica, 2010, 2(5): 405-409**.

8.C.H. Chandrashekhar, K.P. Latha, H.M. Vagdevi, V.P. Vaidya Synthesis and Antimicrobial activity of new series of pyridines fused with Naphtho**[**2,1-b]furan **Der Chemica Sinica, 2013, 4(1):75-78**

9.C.H. Chandrashekhar, K.P. Latha, H.M. Vagdevi, V.P. Vaidya *Antidiabetic activity of Ethanol extract of Ficus racemosa Linn bark***. European Journal of Pharmaceutical And Medical Research,2018, 5(1), 248-251,**

10.C.H. Chandrashekhar, K.P. Latha, H.M. Vagdevi, V.P. Vaidya *Antidiabetic* Investigation of antidiabetic activity and isolation of active component from Ethanol extract of *Prosopis staphaniana bark***. World Journal of Pharmaceutical And Medical Research, 2018,4(1),99-103**

11.C.H. Chandrashekhar, K.P. Latha, H.M. Vagdevi, Studies on Soil Sample, Antimicrobial, Antioxidant and Analgesic Activity of Prosopis staphaniana bark**. International Journal of Pharma And Chemical Research,**(Accepted)

BOOK PUBLISHED

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CITATIONS AND H-INDEX

CITATIONS

The citation for 6 published article were 73 out of which one contain 59 citations.

H-INDEX

The h-index for 8 published articles is 2 and i10-index is also 2.

PERSONAL DATA

Nationality: Indian; Date of Birth: December 25th, 1982;

Sex: Male; Marital Status: Married.

LANGUAGES

Kannada

English

Hindi, Telugu

SKILLS

Computer Basic

Cricket

Organic Lab

Reading

REFERENCES

Dr. E. N. Prabhakaran, Department of Organic Chemistry, Indian Institute of Science, Bangalore, Karnataka,India
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Dr. H. M. Vagdevi Department of commerce, Sahyadri Science College, Shimoga, Karnataka, India
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DECLARATION

I hereby certify that all the information provided above is true to the best of my knowledge

Your Sincerely

Dr. Chandrashekhar.C.H