

CURRICULUM VITAE



Dr. N. K. KATARI

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Dr. Parthasarathi Das's Group
Scientist, Medicinal Chemistry
Division, Indian Institute of
Integrative Medicine (IIIM-
CSIR), Canal Road, Jammu-
180001. INDIA

Permanent Address

C/o M Rama Krishna
LIG-21 (4-9-21), M.M. Huda
Colony, Bahdurpura P.O.
Attapur (V), Rajendranagar (M),
Hyderabad, R.R. Dist.,
Telangana, India-500 064.

Career Objective

To become an excellent facilitator and thrive well in the research field.

Research Interests:

- Design and Synthesis of novel heterocyclic compounds of potential Biological interest.
- Material Science

Memberships

- **Regular Member** (No:31009664) in American Chemical Society (ACS)
- **Referee** in Pakistan Journal of Pharmaceutical Sciences
- **Member** in Editorial Board of Pelagia Research Library
- **Member** in Editorial Board of Advances in Applied Science Research
- **Member** in Editorial Board of Der Chemica Sinica
- **Reviewer** of Journal of Life Science (Novique Publication Hub)
- **Reviewer** of GJSFR (Global Journals Inc. - US)
- **Member** in Board of Studies of Humanities & Science Department in CMR College of Engineering & Technology, Hyderabad.
- **"Life Member"** of The Indian Science Congress Association (ISCA-Member No: L24647)
- **"Life Member"** of Asia-Pacific Chemical, Biological & Environmental Engineering Society (APCBEEES-Member No: 201260)
- **"Executive Member"** in Faculty Forum, Vignan University (2012-13)

Awards & Achievements

- University **Gold Medalist** in M.Sc. Chemistry.
- Selected as **Supervisor** for guiding Ph.D students in **JNTUK, JNTUH, VIGNAN, and GITAM University**
- Selected for **Anveshan** (Student research convention) in chemistry from south zone, 2009.
- Second **best poster** award in Patiala University.
- Acknowledged contribution for two **books**
- **Paper setter** for M.Sc courses to JNT University Hyderabad.
- Acted as a **Chair Person and Resource person** in two day national seminar held at SKSD women's college, Tanuku.

Experience

- Presently working as an Assistant Professor in Department of Chemistry, GITAM University-Hyderabad Campus, Telangana, India from June 1st 2013 to till date.
- Worked as an Assistant Professor in Department of Sciences & Humanities, VIGNAN University, Vadlamudi, Guntur, AP, India from July 14th 2012 to May 16th 2013.
- Worked as a Lecturer and involved in the post-doctoral research work in the field of Organic Synthesis in Department of Chemistry, University College of Engineering, Jawaharlal Nehru Technological University Kakinada, AP, India from August 29th 2011 to July 13th 2012.
- Worked as a Lecturer in Centre for Chemical Sciences and Technology, Institute of Science & Technology, Jawaharlal Nehru Technological University Hyderabad, Telangana, India from March 1st 2007 to August 28th 2011.
- Worked as Research scholar in Centre for Chemical Sciences and Technology, Institute of Science & Technology, Jawaharlal Nehru Technological University Hyderabad, Telangana, India from November 1st 2006 to August 28th 2011.

Education

- **Ph.D (Chemistry)**
Period : 2006-2011
College : JNT University Hyderabad Campus
University : JNT University Hyderabad
- **M.Sc (Industrial Chemistry)**
Period : 2004 – 2006
Result : Distinction with Gold Medal
College : JNT University Hyderabad Campus
University : JNT University Hyderabad
- **B.Sc (M.P.C)**
Period : 2000-2003
Result : **first class**
College : New Science College
University : Osmania University
- **XIIth**
Period : 1998-2000
Result : first class
College : S.C.I.M. Govt. College
University : Andhra University
- **Xth**
Period : 1998
Result : second class
School : Z.P.H (Boys) School, Tanuku

List of Ph.D students (pursuing): 06

S.No	Scholar Name	Admitted Year/ Regd. No/H.T. No	University	Supervisor/ Co-supervisor
01	P. Satya Karuna	2012/12346534	JNTUK	Supervisor
02	R. Ramana Murthy	2014/VU14P2CHE-006	VIGNAN	Supervisor
03	M. Giri Prasad	GIS - Chem – 15013	GITAM	Supervisor
04	C. Vijaya Lakshmi	GIS - Chem – 15012	GITAM	Supervisor
05	V. Sujatha Reddy	GIS - Chem – 15034	GITAM	Supervisor
06	V. Balasubramanian	GIS – Chem – 14011	GITAM	Supervisor

Research Proposals (submitted): 01

1. Design and Synthesis of Novel Anthracene based Molecules for application in Organic Light Emitting Devices (**DST-Fast Track**)

PI: Dr. Naresh Kumar Katari

Research Proposals (to be submitted): 02

1. Total Synthesis of Potentially Bioactive Dibenzofuran Derivatives: the Alkaloid Epimediphine, Novel Dibenzofuran Embedded Aporphines and Medium-ring Azaheterocycles (DST)

PI: Dr. Naresh Kumar Katari

Co-PI: Dr. Rambabu Gundla

2. Synthesis and characterization of bulk heterojunction based molecules for application in Organic Photo Voltaics (DRDO)

PI: Dr. Naresh Kumar Katari

Co-PI: Dr. Balaji Rao Ravuri

Publications (to be submitted): 07

1. Synthesis of the biaryl unit of the HIV protease inhibitor Atazanavir

M.Vijaya Lakshmi, Giriprasad.M, **Naresh Kumar Katari**^{b*}

2. Effect of sugar and salt on the Thickening time of cement slurries

R. V. V. Ramana Murthy, Murthy Chavali^{a*}, **Naresh Kumar Katari**^{b*}

3. Oil and Natural Gas well cleaning Methods by using Acids, Salts, Enzymes and Polymer breakers.

R. V. V. Ramana Murthy, Murthy Chavali^{a*}, **Naresh Kumar Katari**^{b*}

4. Instant linear gel preparation for coal bed methane gas operations

R. V. V. Ramana Murthy, Murthy Chavali^{a*}, **Naresh Kumar Katari**^{b*}

5. Design, Synthesis and biological activity evaluation of norfloxacin derivatives based on 4-thiazolidinones

Teja A, Parasaramulu R, **Naresh Kumar Katari**, Kalyani Ch, Laxmi Narasu M, Jayashree A

6. Stimulation Operational Methods of oil and gas wells

R. V. V. Ramana Murthy, Murthy Chavali^{a*}, **Naresh Kumar Katari**^{b*}

7. Gel preparation with Bio-Diesel (XLFC-1B) & compatibility with Different water samples like Drinking water, bore water, river water, canal water, rain water, sea water, breaker Test by using oxidizer and Enzyme breakers.

R.V.V.Ramana Murthy^a, Murthy Chavali S.S.S.Yadav^a, **Naresh Kumar Katari**^{b*}

Publications: 22

1. "Copper catalysed synthesis of 2-aryl/heteryl-thioquinazoline: Cascade C-S Bond formation by "Chan-Lam Cross-Coupling" Reaction" under review in J. Chem. Sci. 2016.

P. Satya Karuna, **Naresh Kumar Katari**,* M. R. P. Reddy

2. "Microwave-Promoted Synthesis of *S*-Substituted Quinazoline Derivatives from 1, 4-dihydroquinazoline-2-thiol" under revision in Chem. Lett. 2016.
P. Satya Karuna, **Naresh Kumar Katari**,* Rambabu Gundla, M. R. P. Reddy
3. "Novel monitoring concept to evaluate spatial presence of residual solvents in ambient air in the vicinity of pharmaceutical industrial area" communicated in Atmospheric Environment, 2016.
B.Druva Sarika, Sadanandam Palle, M.Ajitha, Anil Gopala, **Naresh Kumar Katari***
4. "An efficient and convenient protocol for the synthesis of *S*-substituted sulfonyl quinazoline derivatives using oxidizing reagents" under revision in PSSI, 2016.
P. Satya Karuna, **Naresh Kumar Katari**,* M. R. P. Reddy
5. "Method Development and Validation of Related Substances in Asenapine Tablets by Reverse Phase HPLC" **published in WJPR 5(4), 2016, 1653-1663. DOI : [10.20959/wjpr20164-5767](https://doi.org/10.20959/wjpr20164-5767)** (Impact factor: 6.805)
Naresh Chandra Reddy M, Chandra Sekhar K, Vijaya Babu P, and **Naresh Kumar Katari***
6. "Correlation between the nanocrystallization and electrical properties of Li-Ge-P glass ceramic electrolyte matrix " (Manuscript Number: ANSC-D-15-00305) **accepted in Applied Nanoscience 2016. DOI 10.1007/s13204-016-0519-x**
Ch.Krishna Kishore Reddy, G. Suman, R. Balaji Rao, **Naresh Kumar Katari**, M. R.P.Reddy
7. "Preparation of linear frac concentration with 4-Vinyl-2,6-Dimethoxyphenol" published in **International Journal of Academic Research, 2016, 3 (1).**
R.V.V.Ramana Murthy^a, **Naresh Kumar Katari***, Murthy Chavali^{a*}, P. Kalyani, Rambabu Gundla^b
8. "Tandem One Pot (TOP) and efficient method for the palladium reagent-catalyzed cross coupling of quinazoline thiols" published in **Journal of Heterocyclic Chemistry, 2016, 53, 784-788.**
(Impact Factor 0.873) DOI: 10.1002/jhet.2310
P Satya Karuna, R.V.V. Ramana Murthy, M.R.P. Reddy, **Naresh Kumar Katari***
Kummari Srinivas
9. "Dithiocarbamate promoted a practical synthesis of *N*-aryl-2-aminobenzazoles: Synthesis of Novel Aurora-A kinase inhibitor" published in **J. Chem. Sci. 127 (3), 2015, 447-453.** (Impact Factor 1.224) DOI 10.1007/s12039-015-0803-4
Naresh Kumar Katari*, M.Venkatanarayana, Kummari Srinivas

10. "L-Arginine Catalysed Knoevenagel Condensation : An Unambiguous Synthesis Of Cyano-Nitrophenylacetamide, Benzimidazole Acetonitrile & 3-Indole Substituted Alkenes"
published in *Current Organocatalysis*, 2015, 2, 44-50
DOI: 10.2174/2213337201666141110222400
K. Srinivas, **Naresh Kumar Katari**, P.Satya Karuna, M.Surendra Babu
11. "A novel approach to the synthesis of arylthiocarbamic acid esters with arylamines and CS₂ in aqueous media" published in *Advances in Applied Science Research*, 2014, 5 (3): 349-355 (Impact Factor 0.421)
Naresh Kumar Katari*, Kummari Srinivas
12. "Preparation of Cross Linker Liquid Frac Concentration (XLFC-1B) with Different Hydrocarbons like Petrol, Diesel, Kerosene compatibility & Breaker Test by using oxidiser, breakers" published in *Journal of Applicable Chemistry* 2013, 2 (3): 605-613 (Impact Factor 1.2910)
R.V.V.Ramana Murthy, **Naresh Kumar Katari***, P. Satya Karuna, M.R.P.Reddy
13. "Simultaneous Determination of Gallic Acid and Glycyrrhizic Acid by Reverse Phase HPLC in Herbal Formulation" published in *Journal of Pharmacy Research* 2012, 5(5), 2867-2869 (Impact Factor 2.667)
Parag Deodhar, **Naresh Kumar Katari**, Gunesh G, Mukkanti K, Chandrasekhara Ch
14. "UV-spectrophotometric and extractive colorimetric methods for determination of fenoverine from bulk drug and its pharmaceutical formulation" published in *Journal of Pharmacy Research* 2012, 5(6), 3406-3409. (Impact Factor 2.667)
Parag Deodhar, **Naresh Kumar K**, Gunesh G, Mukkanti K, Chandrasekhara Ch
15. "New spectrophotometric method for the determination of desloratadine in pharmaceutical formulations" published in *Int. J. Chem. Sci.*: 10(4), 2012, 2067-2072. (Impact Factor 0.12)
Ch. Chandra Sekhar, U. Viplava Prasad, **Naresh Kumar K**
16. "Palladium-mediated cyclization of 8-allyl-7-hydroxy-2-styryl chromones towards the synthesis of substituted 2-styryl chromones" Published in *Res. J. Pharm., Biol. Chem. Sci.* 2011, 2(2), 487-494. (Impact Factor 0.35)
C. Srinivas Rao, **K. Naresh Kumar**, C. Jyotsna, Shakil. S. Sait*
17. "Di-thiocarbamate and DBU-promoted amide bond formation under microwave condition"
Published in *Tetrahedron letters* 51(2010) 899-902. (Impact Factor 2.391)
Naresh Kumar Katari, Kintali Sreeramamurthy, Sadananda Palle, Khagga Mukkanti, Parthasarathi Das*
18. "The Estimation of Docetaxel in Parenterals by RP-HPLC" published in *Asian J. Chem.*, Vol. 22, No. 10 (2010), 7513-7518. (Impact Factor 0.355)
K. Naresh Kumar, N. Appala raju, S. Satyanarayana Raju, B. Ramarao, K. Mukkanti*

19. "Quantitation of Protopine in *Fumaria parviflora* L. whole Plant powder by High-Performance Liquid Chromatography" published in *Asian J. Chem.*, Vol. 21, No. 9 (2009), 6695-6700. (Impact Factor 0.355)

Naresh Kumar Katari, A. Karunakar, G. Gunesh, K. Mukkanti*

20. "Effect of Regional Variation on the Heavy Metal content on *Achyranthes Aspera* using Atomic Absorption Spectroscopic Technique" Published in *Nature Environment & Pollution Technology* Vol. 8, No. 2, pp. 207-210, 2009. (Impact Factor 1.621)

K. Naresh Kumar, G. Dhilli Rao, A. Karunakar, G. Gunesh, K. Mukkanti*

21. "Dithiocarbamate and CuO promoted one-pot synthesis of 2-(N-substituted)-aminobenzimidazoles and related heterocycles" Published in *Tetrahedron Letters* 49 (2008) 992-995. (Impact Factor 2.391)

Parthasarathi Das*, C. Kiran Kumar, **Naresh Kumar Katari**, Md. Innus, Javed Iqbal, Nanduri Srinivas

22. "Spectroscopic Estimation of Abacavir sulphate in Pharmaceutical formulations" Published in *Int. J. Chem. Sci.*: 6 (4), 2008, 2066-2072. (Impact Factor 0.12)

K. Naresh Kumar, N. Appala Raju, K. Mukkanti*

Acknowledged Contribution for books

1. "Practical Engineering Chemistry" by Dr. K. Mukkanti, BS Publications.
2. "Environmental Studies" by Dr. K. Mukkanti, S.Chand Publications.

Ph.D Thesis Topic in Chemistry

- Studies directed towards the synthesis of Dithiocarbamates and its application in organic synthesis under the guidance of **Dr. K. Mukkanti**, Professor and Head, Centre for Chemical Sciences and Technology, JNTUniversity and **Dr. Parthasarathi Das**, Scientist, Medicinal Chemistry Division, Indian Institute of Integrative Medicine (CSIR), Canal Road, Jammu-180001

M.Sc Project Topic in Chemistry

- Synthesis and Characterization of Indole derivatives and Aryl Sulfonyl Chloride derivatives under the guidance of **Dr. K. R. Sastry**, General Manager, Medicinal Chemistry, Discovery Research, Suven Life Sciences Ltd., Plot No # 18/B, Phase - III, IDA, Jeedimetla, Hyderabad-500 055.

Poster Presentations-21

1. Di-thiocarbamates:DBU promoted *N*-aryl amide bond formation under microwave condition

Parthasarathi Das , **K. Naresh Kumar**, Md. Innus, C. Kiran Kumar, K. Sreeramamurthy, K. Mukkanti

National Seminar on Recent Trends in Chemistry (NSRTC 09) 21-22nd Jan 2009 held at Punjabi University, Patiala. Pg No: 15, PS-09

2. Copper triflate mediated as the efficient catalyst for the synthesis of benzimidazoles (**2nd best poster award**)

Sadanandam Palle, **K. Naresh Kumar**, Jyothi. V, B. Ramarao, K. Mukkanti, Parthasarathi Das

National Seminar on Recent Trends in Chemistry (NSRTC 09) 21-22nd Jan 2009 held at Punjabi University, Patiala. Pg No: 15, PS-09

3. One pot synthesis of 1,2,3-oxathiazino [5,6-c] quinolin-5(6H)one-2,2-dioxides

Naresh Kumar K, Mamatha N, Jayashree A

AP Science Congress and Annual Convention of Andhra Pradesh on 18-20th Nov 2010 held at JNTUH, Kukatpally, Hyderabad. Pg.No: 74

4. Utility of dithiocarbamate: One pot synthesis of N-aryl-2-aminobenzoxazoles

K. Naresh Kumar, K. Sreeramamurthy, K. Archana, Khagga Mukkanti, Parthasarathi Das

AP Science Congress and Annual Convention of Andhra Pradesh on 18-20th Nov 2010 held at JNTUH, Kukatpally, Hyderabad. Pg.No: 74

5. Synthesis, characterization and biological activity of acid hydrazones derivatives

Kalapala Venkatesh, N. Suresh Babu, **K. Naresh Kumar**, K.B. Chandra Sekhar, K.Mukkanti

AP Science Congress and Annual Convention of Andhra Pradesh on 18-20th Nov 2010 held at JNTUH, Kukatpally, Hyderabad. Pg.No: 78

6. An efficient one-pot synthesis of various substituted aryl dithiocarbamic acid methyl esters

Katari Naresh Kumar, Billur Ramya, Khagga Mukkanti, Parthasarathi Das

National Conference on Recent Trends in Organic Synthesis and Natural Products (RTOSNP-2011) 23rd & 24th September 2011 held at Department of Chemistry, Adikavi Nannaya University, Rajahmundry.

7. Effect of Co doping on Magnetic, Dielectric and Electrical properties of Ni-Zn mixed ferrites by Co-Precipitation method

V. Venkata Kumar, J. N. Kiran, **Naresh Kumar Katari**, M. Sreenivasulu, K. Samatha, K.ChandraMouli, Paul Douglas Sanasi

Biofest-2012, International Bioconference & Event, 12-13 December 2012, held at Leonia International Convention Centre, Hyderabad.

8. Tandem One Pot (TOP) and efficient method for the palladium reagent-catalyzed cross coupling of quinazoline thiols

P Satya Karuna, R.V.V. Ramana Murthy, M.R.P. Reddy, **Naresh Kumar Katari***

Kummari Srinivas

International Symposium on Nature Inspired Initiatives in Chemical Trends (NIICT-2014)
2nd – 5th March 2014 held at CSIR-IICT, Hyderabad, India. Pg. No.79

9. Chan-lam coupling: synthesis of 1,4-dihydroquinazolines with various boronic acids catalyzed by copper An “cross-coupling reaction”

P Satya Karuna, **Naresh Kumar Katari**, K. Srinivas

International conference on “New Dimensions in Chemistry and Chemical Technologies- Applications in Pharma Industry (NDCT-2014)” during 23rd – 25th June, 2014 held at JNT University Hyderabad, India. Pg. No.61

10. Microwave-Assisted Facile Cyanoacetylation of Nitrogen Containing Heterocyclic Compounds with Cyanoacetic acid and Propionic Anhydride

M.Venkatanarayana, **Naresh Kumar Katari**

National Conference on “Recent Challenges in Chemical & Biological Sciences (RCCBS-2014)” during 28th – 29th July, 2014 held at VIGNAN Univeristy, Guntur, AP, INDIA. Pg. No.24

11. Preparation of Bio-Diesel (XFLC-1B) & Gel preparation compatibility with different water samples like drinking water, bore water, river water, canal water, rain water, sea water, breaker test by using oxidizer, breakers-vol-2

R.V.V.Ramana Murthy, Murthy Chavali S.S.S. Yadav, **Naresh Kumar Katari***

National Conference on “Recent Challenges in Chemical & Biological Sciences (RCCBS-2014)” during 28th – 29th July, 2014 held at VIGNAN Univeristy, Guntur, AP, INDIA. Pg. No.24

12. P-104: Chan-Lam Coupling: Synthesis of 1,4- Dihydroquinazolines with Various Boronic Acids Catalyzed by Copper an “Cross-Coupling Reaction”

Kummari Srinivas , **Katari Naresh Kumar** , P. Satya Karuna

ICBS 3rd Annual Conference Driving Biology with Chemistry November 17–19, 2014 San Francisco, California

ASSAY and Drug Development Technologies Volume 13, Number 2, page 136, 2015 DOI: 10.1089/adt.2014.1507.abstracts

13. Instant linear gel preparation for coal bed methane gas operations

R.V.V.Ramana Murthy, Murthy Chavali S.S.S. Yadav, **Naresh Kumar Katari***

National Conference on “Drug Discovery and Development in Chemistry-Applications in Pharma Industry (DDDC-2015)” during 14th – 15th Sept, 2015 held at Sri Venkateswara Univeristy, Tirupati, AP, INDIA. PP-88, Pg. No.119.

14. An efficient and convenient protocol for the syntheses of S-substituted quinazoline derivatives using oxidizing derivatives
P Satya Karuna, M.R.P. Reddy, **Naresh Kumar Katari***
National Seminar on “Current Research Trends and Developments in Organic Synthesis (CRTADIOS-2015)” during 5th – 6th October, 2015 held at Adikavi Nannaya University, Rajahmundry, AP, INDIA.
15. Effect of sugar and salt on the thickening time of cement slurries
R.V.V.Ramana Murthy, Murthy Chavali S.S.S. Yadav, **Naresh Kumar Katari***
International conference on “Nanoscience, nanotechnology and advanced materials (NANOS 2015)” during 14th – 17th December, 2015 held at GITAM University, Vishakapatnam, AP, INDIA. P-SYN-104, Pg. No.148.
16. Preparation of linear frac concentration with 4-vinyl-2,6-Dimethoxyphenol
R.V.V.Ramana Murthy, Murthy Chavali S.S.S. Yadav, **Naresh Kumar Katari***
International conference on “Materials Research and applications (ICMRA-2016)” during 11th – 13th March, 2016 held at CMR technical campus, Hyderabad, TS. P10, Pg. No. 48.
17. Development and validation of dissolution test with reverse phase HPLC analysis for Apixaban in tablet dosage form
V. Balasubramanian, **Naresh Kumar Katari***, Rambabu Gundla
International Congress on “Recent Advances in Chemistry and Chemical Engineering (ICRACACE-2016)” during 11th – 13th July, 2016 held at JNTUH, Hyderabad, TS. PP-004, Pg. No. 50.
18. Design and novel synthesis of Quinazolinone and its derivatives
P. Satya Karuna, **Naresh Kumar Katari***, Choragudi Chandrasekhar, M.R.P. Reddy
International Congress on “Recent Advances in Chemistry and Chemical Engineering (ICRACACE-2016)” during 11th – 13th July, 2016 held at JNTUH, Hyderabad, TS. PP-020, Pg. No. 66.
19. An efficient and convenient synthesis of the biaryl unit of the HIV protease inhibitor Atazanavir
Giri Prasad Malavattu, **Naresh Kumar Katari***, Vijaya Lakshmi Chapala
International Congress on “Recent Advances in Chemistry and Chemical Engineering (ICRACACE-2016)” during 11th – 13th July, 2016 held at JNTUH, Hyderabad, TS. PP-037, Pg. No. 83.
20. A novel and efficient methods for cleaning in Oil and Natural Gas wells by using Acids, Salts, Enzymes and Polymer breakers
R.V.V.Ramana Murthy, **Naresh Kumar Katari***, Murthy Chavali

International Congress on “Recent Advances in Chemistry and Chemical Engineering (ICRACACE-2016)” during 11th – 13th July, 2016 held at JNTUH, Hyderabad, TS. PP-057, Pg. No. 103.

21. Efficient and high yield one pot synthesis of anti-inflammatory agent Mesalamine

Vijaya Lakshmi Chapala, **Naresh Kumar Katari***, Giri Prasad Malavattu

International Congress on “Recent Advances in Chemistry and Chemical Engineering (ICRACACE-2016)” during 11th – 13th July, 2016 held at JNTUH, Hyderabad, TS. PP-083, Pg. No. 129.

Oral Presentation-04

1. Utility of Dithiocarbamate: One pot synthesis of *N*-aryl-2-aminobenzothiazoles

K. Naresh Kumar, K. Sreeramamurthy, K. Archana, Khagga Mukkanti, Parthasarathi Das
National Conference on Green Chemistry during 16th & 17th Sep 2010 held at SRM
University, Ghaziabad, UP. Pg. No:128

2. Dithiocarbamate promoted a practical synthesis of *N*-aryl-2-aminobenzazoles: synthesis of Novel Aurora-A kinase inhibitor

Naresh Kumar Katari*, N.Srinivas

AP Science Congress - 2012 on 14-16th Nov 2012 held at Acharya Nagarjuna University,
Guntur. OP-22, Pg.No: 20

3. Copper catalyzed C-S Bond formation “Chanlam Coupling”: Synthesis of 1,4-Dihydroquinolines with various boronic acids

P Satya Karuna, **Naresh Kumar Katari***, K.Srinivas

National Seminar on Shaping the future with Green Chemistry (SFGC-14) during 27th-28th
June 2014 held at Department of Chemistry, S.P.M.H. Kalasala, Machilipatnam, AP, India.
OP-41, Pg.No:41

4. Preparation of linear frac concentration with 4-Vinyl-2,6-Dimethoxyphenol

R.V.V.Ramana Murthy, **Naresh Kumar Katari***, Murthy Chavali, P. Kalyani, Rambabu Gundla

UGC sponsored National Seminar on Advanced Techniques in Chemical Research” during
30th – 31st January, 2016 held at SKSD Mahila Kalasala UG & PG, Tanuku. Pg. No:44

Seminars/conferences/workshops/training programmes Conducted: 01

1. Organizing committee member in One-Day Workshop on “Industrial Safety and Occupational Health” 21st April 2011 held at Centre for Chemical Sciences and Technology, IST, JNT University Hyderabad, A.P.

Seminars/conferences/workshops/training programmes attended: 51

1. Four Week AICTE approved FDP by IIT Bombay on - Use of ICT in Education for Online and Blended Learning during 2nd – 17th July 2016 held at GITAM University, Hyderabad.
2. International Congress on “Recent Advances in Chemistry and Chemical Engineering (ICRACACE-2016)” during 11th – 13th July, 2016 held at JNTUH, Hyderabad, TS.
3. Short Term Course on "Impacts of Climate Change, Urbanization and Land-Use-Land-Cover Change on Water Resources" during 30th May - 3rd June 2016 at IIT Bombay.
4. 6 Days TEQIP Workshop on "Energy Conversion and Storage (ECS-2016)" during 9-14 May 2016 at IIT Hyderabad.
5. One day National workshop on “Modern Trends in Drug Discovery and Development (MTDDD-16)” 2nd April 2015 held at GITAM University, Hyderabad, TS.
6. International conference on “Materials Research and applications (ICMRA-2016)” during 11th – 13th March, 2016 held at CMR technical campus, Hyderabad, TS.
7. UGC sponsored National Seminar on Advanced Techniques in Chemical Research” during 30th – 31st January, 2016 held at SKSD Mahila Kalasala UG & PG, Tanuku.
8. International conference on “Nanoscience, nanotechnology and advanced materials (NANOS 2015)” during 14th – 17th December, 2015 held at GITAM University, Vishakapatnam, AP, INDIA.
9. National Conference on “Drug Discovery and Development in Chemistry-Applications in Pharma Industry (DDDC-2015)” during 14th – 15th Sept, 2015 held at Sri Venkateswara University, Tirupati, AP, INDIA.
10. National Seminar on “Current Research Trends and Developments in Organic Synthesis (CRTADIOS-2015)” during 5th – 6th October, 2015 held at Adikavi Nannaya University, Rajahmundry, AP, INDIA.
11. TWO - WEEK ISTE Short Term Training Programme (STTP) on “Environmental Studies” during 2nd -12th June, 2015 at GITAM University, Hyderabad organised by IIT, Bombay
12. TWO - WEEK ISTE Short Term Training Programme (STTP) on “Pedagogy for Effective use of ICT in Engineering Education” during 5th - 30th January, 2015 at GITAM University, Hyderabad organised by IIT, Bombay

13. One-Day National Workshop on “Safety in Chemical and Pharmaceutical Industries” 30th July, 2014 held at Centre for Chemical Sciences and Technology, IST, JNT University Hyderabad, Telangana, India.
14. International conference on “New Dimensions in Chemistry and Chemical Technologies- Applications in Pharma Industry (NDCT-2014)” during 23rd – 25th June, 2014 held at JNT University Hyderabad, India.
15. Faculty Development Programme (FDP)-2014 during 12th -14th June, 2014 held at GITAM University Hyderabad, India.
16. Two-week workshop on “Fluid Mechanics” during 20th-30th May, 2014 held at GITAM University Hyderabad, India organized by IIT Kharagpur.
17. Webcasting of 2014 Elections on 30th April 2014 at Patancheru constituency, Hyderabad.
18. International Symposium on “Nature Inspired Initiatives in Chemical Trends (NICT-2014)” during 2nd – 5th March 2014 held at CSIR-IICT, Hyderabad, India.
19. One-Day workshop on “Emerging Trends in Chemical Sciences & Technology” 9th January, 2014 held at JNTU Hyderabad.
20. Faculty Induction Programme (FIP)-2013 during 28th-29th July 2013 held at GITAM University, Hyderabad.
21. Biofest-2012, International Bioconference & Event, during 12th-13th December 2012, held at Leonia International Convention Centre, Hyderabad.
22. AP Science Congress - 2012 during 14th -16th November 2012 held at Acharya Nagarjuna University, Guntur.
23. Faculty Induction Programme (FIP) – 2012 during 20th -27th July 2012 held at VIGNAN University, Vadlamudi, Guntur, AP.
24. National Conference on Recent Trends in Organic Synthesis and Natural Products (RTOSNP-2011) during 23rd - 24th September 2011 held at Department of Chemistry, Adikavi Nannaya University, Rajahmundry.
25. One-Day Workshop on “Industrial Safety and Occupational Health” 21st April 2011 held at Centre for Chemical Sciences and Technology, IST, JNT University Hyderabad, A.P.
26. UGC Sponsored Refresher Course on “Modern Teaching Trends in Applied Chemistry” during 24th January to 15th February 2011 held at UGC Academic Staff College, JNT University Hyderabad, A.P.
27. “A.P. Science Congress and annual convention of APAS” during 18th-20th November 2010 held at JNT University Hyderabad, A.P.
28. International Conference on “Recent Advances in Drug Discovery” during 22nd-24th October

2010 held at Kakatiya University, Warangal, A.P.

29. National Conference on "Green Chemistry" during 16th-17th September 2010 held at SRM University, Modi Nagar, Ghaziabad.
30. "Organic Synthesis and Human Well Being: Emerging Opportunities and Challenges (OSHWB)" during 1st-4th August 2010 held at ICT, Hyderabad, A.P.
31. One-Day Workshop on "Role of Industries to mitigate the Impacts of Climate Change" 20th February 2010 held at IST, JNT University Hyderabad, A.P.
32. One-Day Workshop on "Climate Change-Challenges and Future Prospects" 9th February 2010 held at GITAM University, Visakhapatnam, A.P.
33. Two-Day International Workshop on "Clean Technologies for Sustainable Development" during 9th & 10th December 2009 held at IST, JNT University Hyderabad, A.P.
34. One-Day Workshop on "Environmental Pollution and its Impact on Climate Change" 3rd December 2009 held at GITAM University, Visakhapatnam, A.P.
35. Two-Day Workshop on "Engineering Chemistry" during 24th -25th October 2009 held at JNT University Hyderabad, A.P.
36. One-Day Seminar on "Safe Drinking Water and its Management" 25th September 2009 held at GITAM University, Visakhapatnam, A.P.
37. Event on "Young India On Climate Change" 5th March 2009 Organized by Association of British Scholars, held at JNT University Hyderabad, A.P.
38. Six-Days Certificate Course Training Programme on "Train the Trainer" March 2009 Organized by Education times and C-School held at IST, JNT University Hyderabad, Hyderabad, A.P.
39. Two-Day Workshop on "Green Chemistry" during 14th -15th February 2009 held at IST, JNT University Hyderabad, A.P.
40. Second "South Zone Student Research Convention (ANVESHAN)" during 6th-8th February 2009 Organised by Association of Indian Universities, New Delhi and SVIMS University held at Sri Venkateswara Institute of Medical Sciences & University, Tirupati, A.P.
41. National Seminar on "Recent Trends in Chemistry (NSRTC-09)" during 21st-22nd January 2009 held at Dept of Chemistry, Punjabi University, Patiala.

42. Two-Day Workshop on “Environmental Issues in Chemical and Pharmaceutical Industries” during 1st-2nd September 2008 held at IST, JNT University Hyderabad, A.P.
43. Two-Day Training Programme on “Calibration of Analytical Instruments” during 6th -7th June 2008 Organized by Vishwa Bharati Educational & Charitable Trust, Hyderabad held at Mumbai.
44. International Conference on “Sustainable Environmental Sanitation and Water Resources During the New Millennium (SESNM-2008)” 26th March 2008 held at GITAM University, Visakhapatnam, A.P.
45. Short Term Course on “Modern Analytical Instrumental Training for Pharma Industry” during 13th - 24th June 2007 held at IST, JNT University Hyderabad, A.P.
46. Two-Day Workshop on “Recent Trends in Environmental Monitoring, Science & Technology” during 21st to 22nd March 2007 held at IST, JNT University Hyderabad, A.P.
47. Three-Day Training Programme on “Best Industrial Practices in Environment, Health and Safety” during 17th – 19th April 2006 held at IST, JNT University Hyderabad, A.P.
48. “Personality and Communication Development Programme” during 26th September to 1st October 2005 Organized by Entrepreneurship Development Cell & Technical Education Quality Improvement Programme, JNT University Hyderabad, A.P.
49. “General NSS Programme” as a Volunteer during 2000-2003 held at New Science College, Hyderabad, A.P.
50. “Special Camp NSS Programme” as a Volunteer during 13th -22nd December 2002 held at New Science College, Hyderabad, A.P.
51. “Youth Leadership Training Programme” as a Volunteer during 14th-18th December 2001 Organized by NSS, Osmania University held at Sardar Patel college, Secunderabad.

Work done/Expertise/Key result areas

- Synthetic experience from milli gram scale to 100 gram scale.
- Expertise in High Vacuum distillation and fractional distillation.
- Experience in column chromatographic separation techniques, which may be required to purify the compounds where the other techniques are failed to get pure compounds.
- Experience in conducting the reactions in highly inert atmosphere.
- Expertise in thin layer chromatography.

- Expertise in handling various reagents like, Sodium borohydride, Raney nickel, Pd/C, Lithium borohydride, etc.
- Characterization of compounds using spectral techniques like ¹HNMR, mass and IR.

Instrumentation Experience

- Microwave Reaction System: CEM - Discover
- Fourier transformation infrared spectroscopy (FTIR): **PERKIN ELMER**.
- High Performance Liquid Chromatography(HPLC): **AGILENT** (1100&1200 Series)
- UV-VIS-Spectroscopy: **SYSTRONICS** (118 Series) & **SPEKOL** (1200 Series)
- Ion Exchange Chromatography: Metrohm
- Gas Chromatography: Agilent, Shimadzu
- GC-MS: Agilent
- Rota Vapour: Rudolph
- pH meter
- Conductivity meter

Software Skills

1. Operating Systems Windows-98, Windows-2000.
2. PGDCA (Post Graduate Diploma in Computer Applications).

Technical Skills

Type Writing (Lower)

Strengths

- Flexibility, Time management, Ability to handle Stress situations effectively
- Enthusiastic, Patience and Perseverance.
- Self motivation and High energy level.
- Willingness to learn in monomic ways

Extra Curricular Activities

- Took active participation in university, college and schooling activities.
- Participated in Zone level cricket matches.
- NSS Volunteer.

Personal Details

Father's Name : Mr. K. Satyanarayana
Date of Birth : 30th June 1982

Sex : Male
Nationality : Indian
Languages Known : English, Hindi, and Telugu.

References:

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