

# CURRICULUM VITAE

**Dr. P. MURALIDHAR REDDY**

**M. Sc., Ph. D**



## **Professional:**

Assistant Professor  
Department of Chemistry  
Osmania University  
Hyderabad-500007,  
Telangana State, India.  
Mobile No: +91-9848792423  
E-mail: pmdreddy@gmail.com

## **Communication:**

Dr. P. Muralidhar Reddy  
H.No. 12-13-1087 A/B  
Flat No. 101, Ameya Towers  
Street No. 12, Gokulnagar  
Tarnaka, Secunderabad-500017  
Telangana State, INDIA.  
Mobile No.+919848792423

## **QUALIFICATIONS AND CREDENTIALS**

- **Member of Toxicology and Biomedicine Research Group, Faculty of Applied Sciences, Ton Duc Thang University, Ho Chi Minh City, Vietnam.**
- **Visiting Faculty- Tzu Chi University, Hualien, Taiwan, 2014**
- **Post-Doctoral Research Fellow (PDF) (2007-2013)**
- **Placement Officer (From August 2014 to July 2019) & Controller of Examination (COE), Nizam College from October 2018 to February, 2020**
- **Industrial Experience in Analytical Research and Development (AR & D), HETRO DRUGS LIMITED (R&D) Hyderabad, A.P., INDIA**
- **Ph. D. in Inorganic Chemistry & Drug Catalysis**
- **M. Sc. (Inorganic Chemistry)**
- **Best popular student award and 2 Gold Medals**
- **23 Years of Research Experience**
- **Total Projects: 10 (\*\*\*6 Major Projects (2-National and 4-International Projects) and 4 Minor Projects (UGC, TSCOST, DST, NSC-Taiwan, Tzu Chi Foundation)**
- **Four Indian Patents and One German Patent, 7 Book Chapters & 120 Research Publications (10-Reviews and 2-Review cum Book Chapter) (Citations: 2690, h-index: 27, i10index: 46), One review selected as Global Medical Discovery (GMD) featured breaking research article and other one selected as BioMedLib Top 10 articles published in the same domain**  
**55 International Conferences and TSMS work shop Participation**  
**Best Paper Presentation Award (Ranked First) in ICNN-2011**  
**Best Poster Presentation Award (Ranked First) in RAC-2015**  
**Received the Best Paper Award at NCPCM-2020**  
**2 Papers Presented in American Society for Mass Spectrometry (ASMS) conference and Oral Presentation in ICSE-2010,**  
**75 Paper Presented in National Symposia**
- **20 Years of Teaching Experience in UG and PG levels**
- **PG Diploma in Computer Applications (PGDCA)**
- **Invited Speaker to National and International Conferences**
- **Invited as a Guest Faculty in various Colleges**
- **Certificate of Appreciation from Rotary International (District 3150), on NATIONAL TEACHERS' DAY Celebrations, 5<sup>th</sup> September, 2015**

- **Recipient of BEST TEACHER AWARD-2015 (NATION BUILDER AWARD-2015) for the cause of educating the future generation of our country, 5th September, 2015 by Rotary Club of Hanamkonda, Telangana**
- **Recipient of IDEAL TEACHING AWARD -2018**
- **Recipient of SEVA RATNA AWARD 2020**
- **Recipient of “MOTHER TERESA GOLD MEDAL AWARD- 2021”**
- **Recipient of BEST TEACHER AWARD-2021**
- **Vice Chancellor Award -2022 for Research Excellence, Osmania University**
- **VICE CHANCELLOR AWARD -2023 FOR EXCELLENCE IN RESEARCH -Awarded certificate of merit and Cash Reward for Research Excellence.**

## CURRENT STATUS

- Working as **Assistant Professor**, Department of Chemistry, **University College of Science, Osmania University**, Hyderabad-500007

## MEDALS/AWARDS/HONORS

- Bottula Venkaiah Chowdary : College Gold Medal in B.Sc., 1998.  
**GOLD MEDAL**
- Sri Anantula Buchirajalingam : University Gold Medal in M. Sc., 2000.  
**GOLD MEDAL**
- **Best Popular Student Award** : From Vice Chancellor, KU, 1999.
- **Best Paper Presentation Award** (Ranked First) : International Conference on Nanoscience & Nanotechnology (ICNN-2011)
- **Best Poster Presentation Award** (Ranked First) : National Seminar on “Recent Advances in Chemistry (RAC-2015)
- Secured **Mandal First Rank** in High School (Class X, SSC)
- Secured **College First Rank** in Higher Secondary (Intermediate)
- Resource Person for “MALDI and LC-MS training course” at Tzu Chi University, Hualien, Taiwan (2008-2013)
- Best Paper Presentation Award (Ranked First) in ICNN-2011
- Certificate of Appreciation from Rotary International (District 3150), on NATIONAL TEACHERS’ DAY Celebrations, 5th September, 2014
- Recipient of **BEST TEACHER AWARD-2015 (NATION BUILDER AWARD-2015)** for the cause of educating the future generation of our country, 5th September, 2015 by Rotary Club of Hanamkonda, Telangana
- Best Poster Presentation Award (Ranked First) in RAC-2015
- Member of **Toxicology and Biomedicine Research Group**, Faculty of Applied Sciences, **Ton Duc Thang University**, Ho Chi Minh City, **Vietnam**
- Recipient of **IDEAL TEACHING AWARDS -2018 selected in the category of PROFESSOR OF THE YEAR (CHEMISTRY)**, Your consecrated apportionment in Teaching to the Student Community made you to Stand as an achiever of **BEST TEACHER IN ITAP 2018**, 2<sup>nd</sup> October, 2018 by TUTOR PRIDE EDUTECH PVT LTD & IDEAL TEACHING AWARDS COMMITTEE -2018, Telangana, India
- Recipient of **SEVA RATNA AWARD 2020**, for Outstanding Individual Achievements & Distinguished Service to the Nation, on 26<sup>th</sup> January, 2020, by Organization by Youth for Social Transformation and Environmental Recoup (OYSTER) (A Registered NGO:442/09), Telangana, India
- Received the **Best Paper Award** at NCPCM-2020

- Recipient of **“MOTHER TERESA GOLD MEDAL AWARD”**, for “National Economic Growth through Individual Contribution” in various fields of Science, Medicine, Research, Industry and Social Service to strengthen India’s unity and economic development on 22<sup>nd</sup> May 2021 by Global Economic Progress & Research Association (Registration No. 283, Act XXVII of 1975), Tamil Nadu, India
- Recipient of **BEST TEACHER AWARD-2021**, 5th September, 2021 by Indian Red Cross Society, Hyderabad, Telangana
- **Vice Chancellor Award -2022 for Research Excellence**-Awarded certificate of recognition for successful completion of project entitled “Transition Metal Complexes of N<sub>2</sub>, N<sub>2</sub>O, NO donor Heterocyclic Ligands: Catalytic Applications in the Synthesis of Drug Impurities” from Start-up Grant for 2016-2018
- **Vice Chancellor Award -2023 for Excellence in Research** -Awarded certificate of merit in recognition of successfully granted patent No. 20 2022 105 300 entitled “Novel Sensitive and Advanced Clinical Mass Spectrometry Kit for Evaluation of Vitamin-D Deficiency” by Bundesrepublik Deutschland, German for 2021-2022.
- **Vice Chancellor Award -2023 for Excellence in Research** -Awarded certificate of merit and Cash Reward for Research Excellence.

## PATENTS

- Indian patent titled **“Novel Mouth Cleaners with Positive Charged Magnetic Nano Particles”** (Total 10 claims) (Co-inventor) **Patent Application No granted: 201641017641:24.05.2016, Publication Date: 24/11/2017**
- Indian patent titled **“Biotechnological Toilet Cleaner”** (Total 6 claims) (Co-inventor) **Patent Application No granted: 201641034479 A: 07.10.2016, Publication Date: 13/04/2018**
- Indian patent titled **“Nucleicacids Separation and Purification Using Silicagel Matrix”** **Patent Application No granted: 201941040717 A: 09.10.2019, Publication Date: 18/10/2019**
- German patent titled **“Novel Sensitive and Advanced Clinical Mass Spectrometry Kit for Evaluation of Vitamin-D Deficiency”** (Bundesrepublik Deutschland) **Patent Grant No: 20 2022 105 300 IPC: G01 33/82, Grant Date: 30/09/2022**
- Indian patent titled **“Machine for Processing of Pharmaceutical Fine Chemical & Food Products”** **Patent Grant No: 369318-001, Grant Date: 05/01/2023**

## BOOK CHAPTERS

- **A text book of Chemistry – Vol.3** (B.Sc II year, Semester-III); **Edition 2019**, Kedar Nath Ram Nath Publishers, Meerut, India, **ISBN: 978-93-87007-35-9**
- **A text book of Chemistry – Vol.5** (B.Sc III year, Semester-V); **Edition 2019**, Kedar Nath Ram Nath Publishers, Meerut, India, **ISBN: 978-93-67007-41-3**
- **“Environmental Studies” Edition 2019**, Neelkamal Publications Pvt. Ltd., New Delhi/Hyderabad, TS, India is published, **ISBN: 978-93-88016-98-8**
- **A text book of Chemistry – Vol.6** (B.Sc III year, Semester-VI, Paper-VII); **Edition 2020**, Kedar Nath Ram Nath Publishers, Meerut, India, **ISBN: 81-9427-661-6**
- **A text book of Chemistry** (For B.Sc II year, Semester-IV, Paper-VI); **Edition 2021**, Divya Lakshmi Publishers & Distributors, Lohia Nagar, Meerut-25001 (UP), India, **ISBN: 9-788195-238446**
- **Encyclopedic Dictionary of Chemistry, Edition 2022**, Neelkamal Publications Pvt. Ltd., New Delhi/Hyderabad, TS, India is published, **ISBN: 978-93-90897-47-6**

- **Nanoparticle Embedded U Bent Fiber Optic Probe and Their Role as a Multi-Sensor Detector, 2023**, Chapter-10, DOI: 10.9734/bpi/rhst/v7/5912B, *Research Highlights in Science and Technology Vol. 7*, B P International, India & UK, Print ISBN: 978-81-19491-20-9, eBook ISBN: 978-81-19491-21-6

## INTERNSHIP/TRAINING PROGRAMS ORGANISED

- Act as Co-Coordinator in **First “One-Week Internship Program on Research Techniques”** from 28<sup>th</sup> August to 2<sup>nd</sup> September, 2023, organized by CFRD, Osmania University, Hyderabad.
- Act as Coordinator in **Second Internship Program on Research Techniques”** from 3<sup>rd</sup> October to 7<sup>th</sup> October, 2023, organized by CFRD, Osmania University, Hyderabad.
- Act as Coordinator in **Third Internship Program on Research Techniques”** from 22<sup>nd</sup> January, 2024 27<sup>th</sup> January, 2023, organized by CFRD, Osmania University, Hyderabad.
- Act as Coordinator in **Three-Day Hands-On Training Programme on HPLC, UV-VIS and FTIR spectroscopy Techniques**, from 26<sup>th</sup> – 28<sup>th</sup> March 2024, organized by CFRD, Osmania University, Hyderabad.
- Act as Coordinator in **Fourth Internship Program on Research Techniques”** from June 24<sup>th</sup> – 29<sup>th</sup>, 2024 organized by CFRD, Osmania University, Hyderabad.

## INVITED SPEAKER/GUEST LECTURER

- Delivered invited lecture entitled “Incredible Indian Heritage and Culture” for NHLUE graduate students on 11<sup>th</sup> March 2008 at National Hualien University of Education, Taiwan.
- Delivered invited lecture entitled “Education System of India” for NHLUE graduate students on October 20, 2009 at National Hualien University of Education (國立花蓮教育大學), Taiwan.
- Invitation to deliver a lecture on Identification of Pathogens via Nanoparticle Based Mass Spectrometry” for graduate and Ph.D. students at Tzu Chi University, Hualien, Taiwan on April 11<sup>th</sup>, 2014
- Invited Speaker, National Conference on Emerging Trends in Physical and Chemical Sciences”- (NCET-PCS) during 15-16 March 2014, at Department of Physics Govt. Holkar Science College, Indore, M.P., India
- Invitation to deliver a lecture on “Transition metal complexes as potential antimicrobial agents” for graduate and Ph.D. students at Tzu Chi University, Hualien, Taiwan on May 14<sup>th</sup>, 2014
- Invitation for group discussion on “Why is India vegetarian friendly?” at Tzu-Chi University, Hualien, Taiwan on May 20<sup>th</sup>, 2014
- Invitation to deliver a lecture on “NMR Spectroscopy and its applications” for graduate and Ph.D. students at Tzu Chi University, Hualien, Taiwan on 29<sup>th</sup> May, 2014
- Invitation to deliver a lecture on “MALDI and ESI Mass Spectroscopy and its applications” for graduate and Ph.D. students at Tzu Chi University, Hualien, Taiwan on June 3<sup>rd</sup>, 2014
- Invited Speaker, International Conference on “Research Innovations for Quality Improvement in Higher Education” during 10<sup>th</sup> and 11<sup>th</sup> October 2014, at The Research and Development Center together with social science, Science & Arts Departments of Bharathiar University, Coimbatore, Tamilnadu, India
- Invited as a Guest Faculty for multidisciplinary M.Sc. (Forensic Science) course in Sem II (15 hours), during the academic year 2014-2015, Osmania University, Hyderabad, Telangana

- Invited as a Guest Faculty for M.Sc. (Chemistry) II & IV semesters (30 hours) at O.U.P.G. College, Mirzapur, for the academic year 2014-2015, Osmania University, Hyderabad, Telangana
- Delivered Extension Lecture on “Spectroscopy” to B.Sc. students on 10/07/2015 at Govt. Degree College for Women, Satavahana University, Jagitial, Karimnagar, Telangana
- Invited as a Guest Faculty for multidisciplinary M.Sc. (Forensic Science) course in Sem-I (15 hours), during the academic year 2015-2016, Osmania University, Hyderabad, Telangana
- Invited as a Guest Faculty for M.Sc. (Chemistry) I & III semesters (45 hours) at O.U.P.G. College, Mirzapur, for the academic year 2015-2016, Osmania University, Hyderabad, Telangana.
- Delivered a guest Lecture on “Mass Spectrometry” at A. V. College of Arts, Science & Commerce, on 21-12-2016
- Invited as a Guest Faculty for multidisciplinary M.Sc. (Forensic Science) course in Sem-I (30 hours), during the academic year 2016-2017 & 2017-2018, Osmania University, Hyderabad, Telangana
- Invited as a Guest Faculty for multidisciplinary M.Sc. (Forensic Science) course in Sem II (30 hours), during the academic year 2016-2017, 2017-2018, & 2018-2019, Osmania University, Hyderabad, Telangana
- Invited as a Guest Faculty for M.Sc. (Chemistry) II & IV semesters (30 hours) at O.U.P.G. College, Mirzapur, for the academic year 2017-2018, & 2018-2019 Osmania University, Hyderabad, Telangana.
- Invited as a Guest Faculty for M.Sc. (Chemistry) I & III semesters (45 hours) at O.U.P.G. College, Mirzapur, for the academic year 2019-2020, & 2020-2021, Osmania University, Hyderabad, Telangana.
- Invited as a Guest Faculty for M.Sc. (Chemistry) II & IV semesters (45 hours) at O.U.P.G. College, Mirzapur, for the academic year 2019-2020, Osmania University, Hyderabad, Telangana.
- Delivered Invited lecture entitled “Novel Mouth Cleaners with Positive Charged Magnetic Nano Particles” at “International Conference on Applied Sciences-2018” held June 10-14, 2018, @ National Dong Hwa University, No. 1, Sec. 2, Da Hsueh Rd., Shoufeng, Hualien, Taiwan
- Delivered an Invited Talk on “Metal Organic Frameworks and their Applications on Drug Catalysis” in Tzu-chi University, Jhongyang Rd., Hualien City, Hualien County 97004, Taiwan (R.O.C), on 9th June, 2018.
- Delivered Invited lecture entitled “Oxadiazolo-Phenanthrene Derivatives: Synthesis, and Applications” at “Mini-symposium on Applied Chemistry” held June 15<sup>th</sup>, 2018, @ Department of Chemistry, National Dong Hwa University, No. 1, Sec. 2, Da Hsueh Rd., Shoufeng, Hualien, Taiwan
- Delivered an Invited Talk on “Advanced Mass Spectrometry Methods for Analysis of Microorganism” in Tzu-chi University, Jhongyang Rd., Hualien City, Hualien County 97004, Taiwan (R.O.C), on 15th June, 2018
- Delivered a Keynote lecture on “Ozone and Environment” at National Level Workshop “PRESERVATION OF OZONE LAYER”, 29th September, 2018 organized by Department of Chemistry, A.V. College, Gaganmahal, Hyderabad.
- Delivered Invited lecture on “New Mouth Cleaners with Positive Charged Magnetic Fe<sub>3</sub>O<sub>4</sub> Nano Particles” at Two Day National Seminar on Synthetic Methodology and Modern Approaches in Chemical Science & Technology, January 29 – 30, 2019, organized by Department of Chemistry, GDC, Sadasivpet



- Delivered a Keynote lecture on One day National Workshop on "Advanced Research in Chemical and Environmental Science" (under RUSA-2.0 Scheme) held on 2nd December 2019 Department of Chemistry, Sri YN college, Narsapur-534275, West Godavari Dt. AP, India
- As Resource Person at National Level e-Poster Competition on Environmental Influences and Biodiversity 18 to 22 May 2020, organized by Department of Botany & Zoology under the aegis of Internal Quality Assurance Cell (IQAC), JVR Government College, Sathupally, Khammam District, Telangana.
- Delivered a lecture on "Impacts of Ozone Depletion on Environmental and Health effects" as part of National Webinar on "COVID-19 & Environmental Sciences" organized by Department of Chemistry, TSWRDC(W), Karimnagar held on 6<sup>th</sup> June 2020.
- Deliver a lecture on "Role of Functionalized Magnetic Iron Oxide Nanoparticles for Biomedical Applications ", one-week online Faculty Development Programme (FDP) entitled "Interdisciplinary Approaches on Chemical & Physical Sciences" (IACPS'20)" during July 28<sup>th</sup> to 01<sup>st</sup> August, 2020 organized by Department of Chemistry, University College of Engineering, Bharathidasan Institute of Technology (BIT) Campus, Anna University, Tiruchirappalli – 620 024
- Resource Person at the Online 2nd Faculty Induction Programme (Orientation Programme) (For All Disciplines) which is being organized from 1.12.2021 to 31.12.2021 by the UGC– HRDC, Osmania University, Hyderabad. Topic- How to Use EndNote Software For Academic Writing
- As Resource Person at RUSA sponsored One day national workshop on Advanced Technologies in Biological and Chemical Science by Government Degree College, Sadasivpet, On 28th January 2022,
- Resource Person at the Refresher Course in Chemical Sciences which is being organized from 20.01.2022 to 03.02.2022 by the UGC– HRDC, Osmania University, Hyderabad. Topic- The Role of Functionalized Magnetic Iron Oxide Nanoparticles as Mouth Cleaners and Other Biomedical Applications
- Delivered an invited talk on "Recent Progress on Functionalized Magnetic Iron Oxide Nanoparticles: Synthesis, Bacterial Capture and Other Biomedical Applications", @ SUCH -2022, Virtual International Conference on Surface Chemistry Organized by Department of Chemistry, Annamalai University, 11th and 12th February 2022
- Delivered a lecture on "Development of a Rapid and Cost-Effective and Feasible Method for the Evaluation of Vitamin D Deficiency Using Advanced Mass Spectrometry Based Methods" Two Day National Seminar on "Emerging Trends in Chemical and Materials Science Research" (ETCMSR-2022), On 25th and 26th February 2022, organized by Department of Chemistry, SR & BGNR Govt. Arts & Science College, Khammam-507001
- Delivered an invited lecture on "High-Speed, Low-Cost MS Methods for Vitamin D Deficiency Evaluation" One-Day National Seminar on Emerging Trends in Chemical Science and Technology (ETCST-2024) on 24<sup>th</sup> February, 2024, Organized by Department of Chemistry, N.T.R. Govt. Degree College for Women (Affiliated to Palamuru University), Mahabubangar-509001, Telangana State

## **ADMINISTRATIVE/OTHER ACTIVITIES**

- Worked as Placement Officer, Nizam College, Osmania University from August 2014-July 2019.
- Appointed as Controller of Examination (COE), Nizam College, OU from 23<sup>rd</sup> October 2018.
- Participated in the One-day Workshop for Training and Placement Officers on "Role of TPO in Placements & Capacity Building Activities" held on September 26, 2015 at E-Classroom, CFRD, Osmania University Campus, Hyderabad.
- Worked diligently and conscientiously the preparation of the Report of UGC CPE-III phase (2014), at Nizam College Osmania University, Hyderabad, Telangana
- Participated in Samagra Kutumba Survey (SKS) organized by Commissioner, GHMC,

## Hyderabad, Telangana State

- Worked as committee member to verify the stock of chemicals, glassware and equipment in Department of chemistry, Nizam College.
- Appointed as External/Internal Examiner to conduct the UG/PG practical examination at various Universities/Colleges
- Worked as Task Force member to maintain discipline in the examination halls and smooth conduct of UG Annual Exams
- Worked as a member for mentoring the students of Department of Chemistry in the Science Fest-2015, on 19<sup>th</sup> and 20<sup>th</sup> March, 2015 at Nizam College
- Worked as Incharge for College Day Celebrations for the academic year 2014, 2015, 2016 at Nizam College
- Worked as committee member in the UG admission work of counselling and allotment for the academic years: 2014-15, 2015-16 & 2016-17 at Nizam College
- Promoting the students to join for research and post-doctoral programmes in India and abroad
- Worked as a member in Various committees of Nizam College, Osmania University
- Worked as committee member to monitor the spending of CPE PHASE-III (UGC) grants from August 19<sup>th</sup>, 2016
- Appointed as Examiner for setting of question papers in Chemistry (UG/PG) by BOS Chairperson at various Universities/Colleges
- Attended as JUDGE in District Level Inspire Science (DST INSPIRE) Exhibition – 2015 & 2016 at Medak, Rangareddy & Hyderabad Districts
- Participated (as Judge) in 1<sup>st</sup> & 2<sup>nd</sup> Level Evaluation programme under the Focal Theme “Science, Technology & Innovation for Sustainable Development: with Special emphasis on Accessibility for persons with Disability of “24<sup>th</sup> National Children’s Science Congress-2016 held on November 2016 at Hyderabad, Telangana.
- Attended the spot valuation camp as examiners pertaining APPSC GROUP-I Main examination at Osmania University, Hyderabad from 17<sup>th</sup> November 2016 to 26<sup>th</sup> November 2016.
- Appointed as Special Observer for the TS-SET @ Regional Center, Warangal, Telangana State.
- Osmania University has nominated - Selection Committee Member of Sri Sadana Degree College, Chegunta, Medak Dist., Dated 08-06-2017
- Served as an Evaluator (as Judge) for 25<sup>th</sup> National Children’s Science Congress-2017 (25<sup>th</sup> NCSC-2017) held on October 2017 at Hyderabad, Telangana. The Focal Theme 25<sup>th</sup> NCSC is “Science, Technology & Innovation for Sustainable Development: with Special emphasis on Accessibility for persons with Disability.
- As Coordinator: 1. ICT/Internet Committee of Nizam College, OU for the academic year 2018-19, 2. Student Support & Progression/Student Data Management Committee of Nizam College, OU,
- As Member: 1. Up-Keep Committee, NC, OU, 2. Internal Quality Assurance Cell (IQAC) of NC, OU, 3. Internal Examination Committee, 4. Disparities in Salaries among certain Contract employees, 5. Nizam College Hostel-Food, Hygiene, and Infrastructure, 6. Appointment of Part-Time Teachers
- Served as an Evaluator (as Judge) for 26<sup>th</sup> National Children’s Science Congress-2018 (26<sup>th</sup> NCSC-2018) during 3-5 November 2018 at Abhyudaya High School, Pippawada Village, Adilabad District, Telangana. The Focal Theme announced by DST, Govt. of India for 26<sup>th</sup> NCSC 2018 is “Science, Technology & Innovation for A Clean, Green & Healthy Nation”

## INTERNATIONAL RESEARCH COLLOBORATIONS

- **Prof. Yen-Peng Ho**, Department of Chemistry, National Dong- Hwa University, **Taiwan**.
- **Prof. Anren Hu**, Department of Laboratory Medicine and Biotechnology, Tzu Chi University, Hualien, **Taiwan**.
- **Prof. A.A.Hussen**, Department of Chemistry, College of Education For Pure Science\Ibn AlHaitham , Baghdad University, Baghdad, **Iraq**
- **Prof. Teow Yeit Haan**, Research Centre for Sustainable Process Technology (CESPRO), Faculty of Chemical and Process Engineering, Universiti Kebangsaan Malaysia (The National University of Malaysia), 43600 Bangi, Selangor, **Malaysia**
- **Dr. V. Bharath Kumar**, Head of Toxicology and Biomedicine Research Group, Lecturer Researcher, Faculty of Applied Sciences, Ton Duc Thang University, 19 Nguyen Huu Tho, Tan Phong, Ho Chi Minh City, **Vietnam**
- **Dr. Shibu**, Cardiovascular and Mitochondria Related Diseases Research Center, Buddhist Tzu Chi Medical foundation, Hualien, Taiwan, R.O.C.
- **Sheng Yun Wu**, Department of Physics, National Dong Hwa University, Hualien 97401, **Taiwan**

## RESEARCH COLLOBORATIONS IN INDIA

- **Prof. Vadde Ravinder**, Department of Chemistry, Kakatiya University, Warangal, T.S
- **Dr. K. Suresh Babu**, Scientist, Division of Natural Product Chemistry, IICT, Hyderabad
- **Dr. S. Krishna Mohan**, Scientist, DRDL, Kanchanbagh, Hyderabad, Telangana
- **Prof. A.C. Narayana**, University of Hyderabad, Hyderabad, Telangana
- **Dr. A.V.S.S Prasad**, Analytical Research and Development (AR & D), HETRO DRUGS LIMITED (R&D) Hyderabad, Telangana, INDIA

## EXPERIENCE

### VISITING FACULTY

- Organization : Department of Laboratory Medicine and Biotechnology, College of Medicine, Tzu Chi University, Hualien, Taiwan
- Period : From **May 2014 to June 2014**  
From **May 2024 to June 2024**

## POST DOCTORAL RESEARCH WORK (August 01, 2007 to September 26, 2013)

- Mass Spectrometry based approaches for the identification of pathogens in clinical samples by MALDI (Matrix Assisted Laser Desorption/Ionization) Mass Spectrometer and ESI (Electron Spray Ionization) Mass Spectrometer ( LC-MS and LC-MS/MS ) and
- Synthesis of Dendrimer functionalized magnetic nanoparticles for biological applications
- Synthesis and Development of functionalized Au, Fe<sub>3</sub>O<sub>4</sub>, Diamond, TiO<sub>2</sub> Nanoparticles towards Biological Applications.
- Nanotechnology Approaches and Developing Mass Spectrometric Methods for Analysis of various Microorganisms
- Protein Identification By
  - a) Liquid Chromatography (LC)-Mass Spectrometry,
  - b) Capillary Electrophoresis (CE)-Mass Spectrometry,
  - c) 1-d gel Electrophoresis-Mass Spectrometry
- Synthesis of new bioactive 6-substituted mono, bis- benzimidazo and Indolo[1,2-c] quinazoline analogues



## PROJECTS

S. No .	Name of the Funding Agency	Name of PI / Co-PI	Title	Subject Area	Year	Amt. (in Rs.)
1.	UGC	Principal Investigator (PI)	Transition Metal Complexes of N <sub>2</sub> , N <sub>2</sub> O, NO donor Heterocyclic Ligands: Catalytic Applications in the Synthesis of Drug Impurities”	Chemical Sciences	2017-2019	Rs. 6,00,000/-
2	DST-PURSE	Principal Investigator (PI)	Synthesis, Spectral characterization and In vitro Cytotoxicity studies of Benzimidazole based Schiff base Metal complexes”	Chemical Sciences	2019	Rs. 60,000/-
3	DST-PURSE	Principal Investigator (PI)	Synthesis, Spectral characterization and In vitro Cytotoxicity studies of Benzimidazole based Schiff base Metal complexes”	Chemical Sciences	2020	Rs. 1,00,000/-
4	Ton Duc Thang University, Ho Chi Minh City, Vietnam	Co-PI	Uniformly Disperse Antimicrobial Medical Latex Film for the Prevention of Healthcare-associated Infections	Applied Sciences	2020-2022	Rs. 29,25,882/-
5	Buddhist Tzu Chi Medical Foundation & Tzu Chi University, Hualien, Taiwan	Co-PI	The study of uremic toxins, antioxidants and fatty acids related to arterial stiffness: MS based approaches	Life Sciences	2020-2022	Rs. 29,30,838/-
6	Ministry of Science and Technology (MOST), R.O.C., Taiwan	Co-PI	The study of biomolecules using direct nano-spray ionization mass spectrometry technology	Chemical Sciences	2021-2022	Rs. 31,80,111/-
7	Project Related Grants (PRG), DST, GoI & TSCOST	Principal Investigator (PI)	Development of a Rapid and Cost-Effective Advanced Mass Spectrometry Approach for the Evaluation of Vitamin D Deficiency	Chemical Sciences	2022-2023	Rs. 4,00,000/-

8	<b>Project Related Grants (PRG), DST, GoI &amp; TSCOST</b>	<b>Co-PI</b>	Development and Standardization of Immunity Boosting Polyherbal Infusion Bags	Life Sciences	<b>2022-2023</b>	<b>Rs. 4,00,000/-</b>
9	<b>Ministry of Science and Technology (MOST), R.O.C., Taiwan</b>	<b>Co-PI</b>	Development of a graphene-based direct Naisal cell-based mass spectrometry technique for the detection of biomarker molecules	Chemical Sciences	<b>2022-2023</b>	<b>Rs. 25, 52, 106/-</b>
10	<b>Ministry of Science and Technology (MOST), R.O.C., Taiwan</b>	<b>Co-PI</b>	Study on API-MS of Stimuli-Responsive Graphene Oxide Sheet	Chemical Sciences	<b>2023-2024</b>	<b>Rs. 27, 25, 340/-</b>

## INDUSTRIAL EXPERIENCE

- Organization : HETRO DRUGS LIMITED (R&D) Hyderabad, APIE, Balanagar, A.P., INDIA
- Nature Of Work : Analytical Research and Development (AR & D)
- Period : From January 2007 to July 2007

## TEACHING EXPERIENCE

### ❖ 14 Years of Teaching Experience as a **Lecturer in Chemistry** at **U.G. and P.G** Level

- **2 Years (UG)** : Santhiniketan Degree College, Sathupally, Khammam. (2000-2002)
- **1 Year (UG & PG)** : University Arts and Science College, Subedari, Warangal. (2004-2005)
- **3 Years (UG)** : Masterji Degree & P.G. College, Hunter Road, Hanamkonda, Warangal. (2003-2006)
- **6 Years (PG)** : Nizam College, Osmania University, Hyderabad, Telangana. (27, September 2013 – 7, February 2020)
- Worked in Department of Chemistry, NDHU, Taiwan as Lab Instructor (Part-time teaching assistantship) from September 2010 to September 2013
- Worked as Part-time teaching assistant in NHLUE as Chemistry Teacher/Instructor on visiting basis from November 2007 to July 2010.
- Contributed @ “MALDI and LC-MS training course to Tzu Chi University graduated students, from 2008 to 2013 at TCU, Taiwan

## ACADEMIC PROFILE

### DOCTOR OF PHILOSOPHY (2002-2006):

- Area of Research : **Inorganic Chemistry & Drug Catalysis**

- Title of the Thesis : Synthesis, spectral characterization, catalytic and antibacterial activity of new macrocyclic metal compounds
- University : Kakatiya University, Warangal, A.P., India.
- Publications : **120**

#### **MASTER OF SCIENCE (1998-2000): GOLD MEDAL**

- Specialization : Inorganic Chemistry
- Percentage : 79.1 %
- University : Kakatiya University, Warangal, Telangana, India

#### **BACHELOR OF SCIENCE (1995-1998): GOLD MEDAL**

- Group : Chemistry, Biochemistry, Zoology.
- Percentage : 80 %
- University : Kakatiya University, Warangal, A. P., India

#### **P. G. DIPLOMA IN COMPUTER APPLICATIONS (2005):**

- Course : PGDCA
- Percentage : 80 %
- Board : Vidyarthi Computers, A. P., India.
- Chemistry Softwares : Chemoffice, Chemdraw, ACD Labs, ISIS Draw, Mass Frontier.

#### **ORIENTATION/REFRESHER/FDP COURSE(S) ATTENDED:**

- Participated in the UGC sponsored Orientation Course, Academic Staff College, Osmania University, Hyderabad, organized from 10.12.2013 - 08.01.2014 and obtained grade "A"
- Attended the "Induction Programme" held on 20<sup>th</sup> and 21<sup>st</sup> June 2014, organized by the UPE-Center for Professional Advancement and Continuing Education(C-PACE) in association with the Internal Quality Assurance Cell (IQAC), Osmania University, Hyderabad
- Participated in One Day Orientation Programme on " Research and Consultancy" (Sponsored by UGC) organized by Research Development & Consultancy Cell (RDCC), Osmania University, Hyderabad, 23<sup>rd</sup> September, 2015.
- Participated in the UGC-HRDC sponsored Refresher Course, Human Resource Development Center (Academic Staff College), Osmania University, Hyderabad, organized from 08.02.2017 - 01.03.2017 and obtained grade "A"
- Participated in the UGC-HRDC sponsored "Refresher Course in Material Sciences" at Human Resource Development Center (Academic Staff College), Osmania University, Hyderabad, organized from 08.02.2017 - 01.03.2017 and obtained grade "A"
- Participated in the UGC-HRDC sponsored "Refresher Course in Recent Trends in Chemical Sciences and Technology" at Human Resource Development Center (Academic Staff College), Osmania University, Hyderabad, organized from 15.02.2018 - 08.03.2018 and obtained grade "A"
- Participated in the UGC-HRDC approved Faculty Development Program (FDP) On "Empowering Teachers on Teaching -Learning & Research" (ETTLR), from 6<sup>th</sup> - 11<sup>th</sup>, Jan 2020, Organized by Internal Quality Assurance Cell (IQAC), Nizam College, Osmania University, Hyderabad.

- Participated in the UGC-HRDC approved Faculty Development Program on (FDP) "Teaching, Research and Academic Excellence in the perspective of Personality Development (CRAPD-2020), from 21.01.2020 to 28.01.2020. Organized by Internal Quality Assurance Cell (IQAC), University College for Women, Osmania University, Koti, Hyderabad-500095
- Successfully completed the 16-week Swayam Online Refresher Course in Chemistry for Higher Education with the consolidated score of 75.62% in the proctored examination held on 16<sup>th</sup> February 2020.
- Participated in the "National Faculty Development Program" hosted by Little Flower Degree College, Uppal, Hyderabad, Telangana, organized by Department of Chemistry, on May 19, 2020.
- Participated in the "Two Day Online Faculty Development Programme" on "Chemical Safety and Environmental Protection" organized by Department of Chemistry, Government College Autonomous, Rajahmundry, Andhra Pradesh, INDIA through Google Meet on 18-19, May 2020.
- Successfully completed one week Faculty Development Program on "Spectroscopic and Analytical Techniques: Applications" organized by Guru Angad Dev Teaching-Learning Centre of MHRD (PMMMNMTT) and Department of Chemistry, J. C. Bose University of Science & Technology, YMCA, Faridabad Haryana from 25<sup>th</sup> -29<sup>th</sup> May 2020. This was conducted in online mode with full week's commitment through live sessions, quizzes, project and assessment. This is equivalent to one week face to face FDP. The participant has obtained GRADE "A" as required for promotion under CAS of UGC and AICTE.
- Participated in 7 Days Faculty Development Program (FDP) (Webinar) in the title of "Outstrip of Catch22" organized by Internal Quality Assurance Cell (IQAC), Annai College of Arts & Science, Tiruchirappalli, from 25<sup>th</sup> to 31<sup>st</sup> May 2020.
- Participated in the Five-Day online Faculty Development Program (FDP) (Webinar) from 30<sup>th</sup> May 2020 to 3<sup>rd</sup> June 2020 on the topic "Evolution from Offline to Online Teaching" organized by Internal Quality Assurance Cell (IQAC), Satish Pradhan Dnyanasadhana College, Thane, In association with Department of Information Technology University of Mumbai and Microsoft.
- Participated in International Webinar and Online FDP on "Usage of ICT Tools for Effective Learning and Evaluation" organized by Department of Computer Science, St Joseph's Degree and PG College, Hyderabad from 1<sup>st</sup> June - 5<sup>th</sup> June 2020.
- Participated in One Week Faculty Development Program on "Emerging Trends in Sciences - Usage of Research Tools and Techniques", organized by Department of Freshman Engineering, Vardhaman College of Engineering, Hyderabad, during 15<sup>th</sup>-20<sup>th</sup> June 2020.
- Successfully completed a seven-day National Webinar (Faculty Development Programme) in "Online Teaching, Learning & Assessment in Higher Education" Organized by Examination Branch, University College for Women, Koti, Hyderabad from 25<sup>th</sup> June, 2020 to 1<sup>st</sup> July
- Participated in a seven-day webinar (FDP) on "ADVANCED CONCEPTS FOR DEVELOPING MOOCs (Online Teaching, Learning & Assessment)" Organized by Department of Chemistry, University College for Women, Koti, Hyderabad from 27<sup>th</sup> July, 2020 to 2<sup>nd</sup> August, 2020.
- Successfully Completed online Two - Week Interdisciplinary Refresher Course in "ADVANCED RESEARCH METHODOLOGY" from 21<sup>st</sup> July – 04<sup>th</sup> August, 2023 and obtained **Grade A+**
- Participated in one week online short-term training program on "Advancing Frontiers: Integral Role of Chemistry in Science and Technology" (AF-IRCST-2023) held from 20<sup>th</sup> November, 2023 to 25<sup>th</sup> November, 2023 organized by Department of Chemistry, Vardhaman College of Engineering.

- Participated in one-week online faculty development program on “Emerging Innovation in Chemistry and Chemical Technology” held from 22nd April to 27th April-2024 organized by Department of Chemistry, Vardhaman College of Engineering, Hyderabad.

## MEMBERSHIPS

- Lifetime member of Indian Council Chemists (ICC)
- Member of Taiwan society for mass spectrometry (TSMS)
- Lifetime member of Indian Science Congress Association (ISCA)
- Life member of Association of Pharmacy Professionals (APP)

## Member of Editorial Boards of Refereed Research Journals as Referee

- Spectrochimica Acta A, Elsevier
- Journal of Coordination Chemistry, Taylor & Francis
- Transition Metal Chemistry, Springer, UK.
- European Journal of Medicinal Chemistry, Elsevier
- African Journal of Pure and Applied Chemistry
- Chemistry Central Journal
- Complex Metals
- Journal of Heterocyclic Chemistry
- Sensors & Actuators: B. Chemical, Elsevier
- Journal of Molecular Structure, Elsevier.
- Bulletin of the Chemical Society of Ethiopia, Ethiopia
- Journal of Indian Chemical Society, Kolkata.
- Journal of Chromatographic Science
- Environmental Toxicology
- Oncotarget
- The Journal of Food and Drug Analysis (JFDA)
- Molecular and Cellular Biochemistry (MCBI)
- Journal of Cellular Physiology
- Journal of Applied Chemical Science International
- Journal of Molecular Structure
- Journal of Food Biochemistry
- Molecules

## DETAILS OF PH.D. CANDIDATES

S. No	Name	Category	Date of Joining	Date of Registration	Part-time/Full-time(FT)	Fellowship
1.	Pulabala Ramesh	OC	19-02-2014	16-03-2017	PT	DL, CSIR-NET
2.	Siram Siddappa	ST	18-02-2014	09-10-2014	FT	UGC-JRF
3.	Kura Narsimha	BC-D	16-07-2015	23-01-2017	FT	CSIR-JRF
4.	Ananthula Sanjeev	BC-B	07-04-2014	09-10-2014	FT	CSIR-JRF
5.	S. Bhaskar	SC	21-08-2014	23-01-2017	FT	UGC-JRF
6.	G. Premsagar	SC	01-10-2014	13-12-2017	FT	CSIR-JRF



7.	T. Ravi Prakash	SC	09-01-2015	13-12-2017	FT	CSIR-JRF
8.	G. Swetha	BC-D	07-06-2017	01-06-2017	PT	DST-INSPIRE (University 1st Ranker holder)
9.	S. Durga Bhavani	OC	01-01-2019	22-08-2019	FT	CSIR-JRF
10.	Revathy Sundaramoorthy	BC-B	29-12-2020	29-12-2020	FT	UGC-JRF
11.	T. Ramesh	BC-D	01-06-2020	29-12-2020	FT	CSIR-JRF
12.	H Vinay Kumar	BC-D	04-09-2020	--	FT	CSIR-JRF

### DETAILS OF PH.D. STUDENTS COMPLETED

S. No	Name	Date of Award	Title of the PhD Thesis
1.	Pulabala Ramesh	18-08-2020	"Synthesis, Biological Activity and Molecular Docking Studies of Novel Chrysin Derivatives and Other Heterocycles"
2.	N. Naresh Reddy	20-07-2021	"Design, Synthesis, Anticancer Evaluation and Molecular Docking Studies of New Uracil Based Five Membered Heterocycles"
3.	Siram Siddappa	06-09-2021	Synthesis, Characterisation and Applications of Rocket Propellants and Zeolite Encapsulated Metal Complexes
4.	Ananthula Sanjeev	16-11-2022	Stability Indicating Analytical Method Development and Validation of Selected Drugs by Using RP-HPLC and LC-MS Techniques
5.	Kura Narsimha	09-05-2023	Synergetic effect of doping and defects on photocatalytic activity of CdWO <sub>4</sub> nanostructures
6.	S. Bhaskar	29-08-2023	Analytical and Bio-analytical Method Development and Validation of Selected Drugs by using RP-HPLC and LC-MS/MS
7	Srivani Junoothula	October, 2023	Synthesis, Characterization and Properties of Silver Nanoparticles
8	G. Swetha	10-04-2024	Analytical Method Development and Validation for the Simultaneous Estimation of Pharmaceutical and Forensic Related Drugs by using RP-HPLC and GC-MS Techniques

### DETAILS OF PROJECT WORK of M.Sc. CANDIDATES

S. No	Name	Academic Year/ Degree awarded	Title of the Project
1.	Ammar Adil.H	2015-16	"Fe <sub>3</sub> O <sub>4</sub> , Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> , Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> @PEI, Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> @TiO <sub>2</sub> , Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> @ZrO <sub>2</sub> Functionalized Magnetic Nano Particles: Design, Synthesis, Photocatalytic activity

			and Biological Applications
2.	Mahmood Ali Najm	2015-16	Bivalent Schiff Base Metal Complexes: Synthesis, Antibacterial, Anticancer And DNA Cleavage Studies
3.	M. Srikanth	2015-16	Synthesis and Structural Characterization of Cobalt Complexes Containing Bidentate Amide Ligands
4.	M. Revathi	2015-16	Copper (II) complexes of new Carboxyamide Ligands: Synthesis and Spectroscopic study
5.	L. Sravani	2015-16	Synthesis and Spectral Studies of Bivalent Iron Complexes with Organic Amide Ligands
6.	Vijendher Yadav	2015-16	Synthesis, and Characterization of Monomeric Nickel (II) Amide Complexes
7.	Badavath Rambabu	2016-17	“Synthesis, Spectral studies and Antibacterial Activities of N,N-bis(o-hydroxybenzaldehyde) phenylenediamine Complexes of Co(II), Ni(II), Cu(II), and Zn(II)”
8.	Cholleti Santhoshi	2016-17	“Synthesis, Characterization and Antibacterial Studies of Bivalent Transition Metal Complexes With New 2-[4-Methoxyphenyl Carbamoyl] Benzoic Acid Ligand”
9.	Shaik Nasreen	2016-17	“Co(II), Ni(II), Cu(II), & Zn(II) Complexes of New N,N-Bis(thiophene-2-ylmethylene)Benzene-1,2-Diamine: Synthesis, Spectroscopic, & Antibacterial Studies”
10.	Jangili Kalpana	2017-18	“Synthesis, Characterization and Antibacterial Studies of Bivalent Transition Metal Complexes with New 2-(Pyridine-2-yl) Methylene Amino) Phenol Ligand”
11.	Mareboina Kavya	2017-18	“2-(2-hydroxybenzylideneamino) phenol Schiff base-Cobalt(II), Nickel(II), Copper(II) and Zinc(II) complexes: Synthesis, Spectral Studies and Antibacterial Activities”
12.	Samaji Srujana	2017-18	“Cobalt (II), Nickel (II), Copper (II) and Zinc (II) Complexes of New (E)-4-(((2-hydroxyphenyl) imino) methyl) benzene-1,2,3-triol: Synthesis, Spectroscopic, and Antibacterial Studies”
13.	Gaddha Manisha	2018-19	“Design, Synthesis and Structural Analysis of Biologically Important Trimethoxy Cinnamic Ester Triazole Derivatives”
14.	Mandula Sai Kumar	2018-19	“Synthesis and Characterization of Novel Triazole Based Schiff Base Derivatives via Click Reaction”
15.	Manthena Sushma	2018-19	“Cobalt (II), Nickel (II), Copper (II) and Zinc (II) Complexes of New (E)-4-((quinolin-8-ylimino) methyl) benzene-1,2,3-triol Synthesis, Spectroscopic, and Antibacterial Studies”
16.	Peraboina Bhavani	2019-20	“Summary of Method Development Report For The Determination of Related Compounds in Teriflunomide (TFM) by HPLC”
17.	Budharapu Deepika	2019-20	“Summary of Method Development Report for The Determination of Related Compounds in Apixapan (APB) By HPLC”
18.	Jadi Manjula	2019-20	“Summary of Method Development Report for the Determination of Related Compounds in Perampanel

			(PMP) By HPLC”
19	Kasthula Aruna	2020-21	Design, synthesis and molecular docking studies of novel phenanthrene-linked oxadiazoles as potential antimicrobial agents
20	Kanaka Sampurna	2020-21	“Chrysin Analogues: Synthesis, Biological Evaluation and Molecular Modeling Studies”
21	Javvaji Shekar	2021-22	“Stability Indicating Method Development and Validation of Dacarbazine by Using RP-HPLC”
22	Konda Madhu	2021-22	“Development and Validation of Stability Indicating RP-HPLC Method for Stability Indicating Assay of Pemetrexed and Its Application to Stress Degradation Studies”

### DETAILS OF PROJECT WORK of M. Pharm. STUDENTS

S. No	Name	Acad. Year/ Degree awarded	Title of the Project
1.	Suchitha Kiranmai.Katuru	2020-21	Bioanalytical Method Development and Validation of Obeticholic Acid, Glyco Obeticholic Acid and Tauro Obeticholic Acid in K2 Edta Human Plasma Using LC-MS/MS
2.	Munigala Sushmitha	2020-21	Bioanalytical Method Development and Validation for Simultaneous Estimation of Metformin and Sitagliptin in K2edta Human Plasma by LC-MS/MS
3.	Nallala Sreelatha	2020-21	Method Development and Validation of Simultaneous Estimation of Stability Studies of Esomeprazole and Levosulpiride Using RP HPLC.
4.	Rachala Swetha	2020-21	Development And Validation of RP-HPLC Method for The Simultaneous Estimation of Bilastine and Montelukast in Tablet Dosage Form
5.	K. Kalyani	2020-21	Stability Indicating RP-HPLC Method Development and Validation for The Simultaneous Determination of Empagliflozin and Linagliptin in Bulk Form and Marketed Pharmaceutical Dosage Form

### LIST OF PUBLICATIONS

\*\*\*\*\*Total Number of Publications – 120



**Dr.P.Muralidhar Reddy**

Assistant Professor, Department of Chemistry, [Osmania University](https://osmania.ac.in)

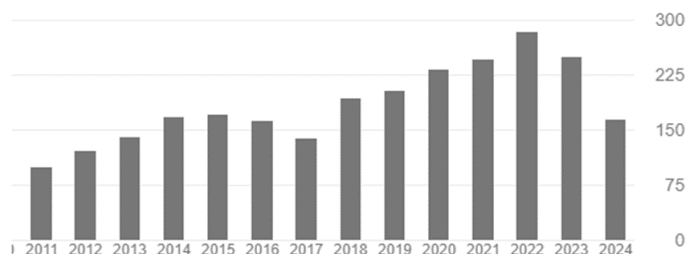
Verified email at [osmania.ac.in](mailto:osmania.ac.in) - [Homepage](#)

[Inorganic Chemistry](#) [Analytical Chemistry](#) [Material Chemistry](#)

**Citation indices**

**Citations to my articles**

<b>Citations</b>	<b>2690</b>
<b>h-index</b>	<b>27</b>
<b>i10-index</b>	<b>46</b>



1. Advances in Mass spectrometry For Identification of Pathogens, Yen-Peng Ho and **P. Muralidhar Reddy**, *Mass Spectrometry Reviews*, 2011, 30, 1203-1224, **Impact Factor: 10.946,\*\* (Selected as Global Medical Discovery (GMD) featured breaking research article)**, Publisher : John Wiley and Sons, USA, **Journal Rank in Spectroscopy: 1**, ISSN:1098-2787, **(UGC Care listed Journal)**
2. Identification of Pathogens Using Mass Spectrometry, Yen-Peng Ho and **P. Muralidhar Reddy**, *Clinical Chemistry*, 2010, 56, 525-536, **Impact Factor: 12.167, \*\*\* (Selected as BioMedLib Top 10 articles published in the same domain)**, Publisher : American Association of Clinical Chemistry (AACC), **Journal Rank in Medical Laboratory Technology: 1**, ISSN (printed): 0009-9147, ISSN (electronic): 1530-8561, **(UGC Care listed Journal)**
3. Concentration and in Situ Detection of Peptides Using Liquid Matrix-Assisted Laser Desorption Ionization Matrixes, Siao-Huei Yang, **P. Muralidhar Reddy**, and Yen-Peng Ho, *Analytical Chemistry*, 2010, 82, 44-48, **Impact Factor : 6.986**, Publisher : American Chemical Society (ACS), **Journal Rank in Chemistry, Analytical: 1**, ISSN (printed): 0003-2700. ISSN (electronic): 1520-6882, **(UGC Care listed Journal)**
4. Evaluation of Functionalized Magnetic Iron Oxide (Fe<sub>3</sub>O<sub>4</sub>) Nanoparticles for Capturing Gram-Positive and Gram-Negative Bacteria, **P. Muralidhar Reddy**, Kai-Chih Chang, Zhen-Jun Liu, Cheng-Tung Chen, and Yen-Peng Ho, *J. Biomed. Nanotechnol.*, 2014, 10, 1429-1439, **Impact Factor: 5.068**, Publisher: American Scientific Publisher (ASP), **Journal Rank in Nanoscience & Nanotechnology: 16**, ISSN: 1550-7033 (Print): EISSN: 1550-7041 (Online), **(UGC Care listed Journal)**
5. Evaluating Potential Nonthermal Microwave Effects of Microwave-Assisted Proteolytic Reactions, **P. Muralidhar Reddy**, Yu-Shan Huang, Chen-Tung Chen, P-Chi Chang and Yen-Peng Ho, *Journal of Proteomics*, 2013, 80, 160-170, **Impact Factor : 4.044**, Publisher : ELSEVIER Science Ltd, Netherlands, **Journal Rank in Biochemical Research Methods: 12**, ISSN: 1874-3919, **(UGC Care listed Journal)**
6. Mass Spectrometry Based approaches for the detection of protiens of staphylococcus species, Yen-Peng Ho and **P. Muralidhar Reddy**, *Current Drug Targets – Infectious Disorders*, 2008, 8, 166-182, **Impact Factor: 3.465**, Publisher: Bentham Science Publication Ltd, **Journal Rank in Pharmacology and Pharmacy: 35**, ISSN: 1568-0053, **(UGC Care listed Journal)**
7. Digestion completeness of microwave-assisted and conventional trypsin catalyzed reactions, **P. Muralidhar Reddy**, Wan-Yu Hsu, Jun-Fu Hu, Yen-Peng Ho, *Journal of The American Society for Mass Spectrometry*, 2010, 21, 421-424, **Impact Factor : 3.202**, Publisher : ACS Publications (United States), **Journal Rank in Spectroscopy: 4**, ISSN: 1044-0305, **(UGC Care listed Journal)**
8. Quantification of genetically modified soya using strong anion exchange chromatography and time-of-flight mass spectrometry, Po-Chih Chang & **P. Muralidhar Reddy** & Yen-Peng Ho, *Anal Bioanal Chem*, 2014, 406, 5339-5346, **Impact Factor: 4.142**, Publisher: SPRINGER, **Journal Rank in Analytical Chemistry: 10**, ISSN (printed): 1618-2642. ISSN (electronic): 1618-2650, **(UGC Care listed Journal)**

9. Antimicrobial study of newly synthesized 6-substituted indolo[1,2-c]quinazolines, R. Rohini, **P. Muralidhar Reddy**, K. Shanker, A. Hu and V. Ravinder, *European Journal of Medicinal Chemistry*, 2010, 45, 1200-1205, **Impact Factor: 7.088**, Publisher: ELSEVIER Science Ltd, USA, **Journal Rank in Chemistry, Medicinal: 13**, ISSN: 0223-5234, **(UGC Care listed Journal)**
10. Physicochemical and biological characterization of novel macrocycles derived from o-phthalaldehyde, **P. Muralidhar Reddy**, Yen-Peng Ho, K. Shanker, R. Rohini, and V. Ravinder, *European Journal of Medicinal Chemistry*, 2009, 44, 2621-2625, **Impact Factor: 7.088**, Publisher: ELSEVIER Science Ltd, USA, **Journal Rank in Chemistry, Medicinal: 13**, ISSN: 0223-5234, **(UGC Care listed Journal)**
11. Mono and bis-6-arylbenzimidazo[1,2-c] quinazolines: new class of antimicrobial agents, R. Rohini, K. Shanker, **P. Muralidhar Reddy** Yen-Peng Ho and V. Ravinder *European Journal of Medicinal Chemistry*, 2009, 44, 3330-3339, **Impact Factor: 7.088**, Publisher: ELSEVIER Science Ltd, USA, **Journal Rank in Chemistry, Medicinal: 13**, ISSN: 0223-5234, **(UGC Care listed Journal)**
12. Mass spectrometric identification of pathogens in foods using a zirconium hydroxide immobilization approach, Cheng-Tung Chen, **P. Muralidhar Reddy**, Yuan-Ron Ma and Yen-Peng Ho, *International Journal of Mass Spectrometry*, 2012, 312, 45-52, **Impact Factor: 2.090**, Publisher: ELSEVIER Science Ltd, Netherlands, **Journal Rank in Spectroscopy: 15**, ISSN: 1387-3806, **(UGC Care listed Journal)**
13. Synthesis, Spectral and Antibacterial Studies of Copper (II) Tetraaza Macrocyclic Complexes, **P. Muralidhar Reddy**, R. Rohini, E. Ravikrishna, A. Hu and V. Ravinder, *Int. J. Mol. Sci.*, 2012, 13, 4982-4992, **Impact Factor : 6.208, \*\*\*\* (Selected for BioMed Updater journal Top Articles, Since 2012, Ranked 1<sup>st</sup>, in the Domain of Article 22606024)** Publisher : MDPI AG, Switzerland, **Journal Rank in Chemistry, Multidisciplinary : 41**, ISSN : 1422-0067, **(UGC Care listed Journal)**
14. Synthesis of N<sub>4</sub> donor macrocyclic Schiff base ligands and their Ru (II), Pd (II), Pt (II) metal complexes for biological studies and Catalytic oxidation of didanosine in pharmaceuticals, E. Ravi krishna, **P. Muralidhar Reddy**, M. Sarangapani, B. Geeta, K. Shobha Rani and V. Ravinder, *Spectrochimica Acta, A.*, 2012, 97, 189-196, **Impact Factor: 4.098, \*\*\*\* (Selected for BioMed Updater journal Top Articles, Since 2012, Ranked 19<sup>th</sup>, in the Domain of Article 22606024)**, Publisher: ELSEVIER Science Ltd, USA, **Journal Rank in Spectroscopy: 17**, ISSN: 1386-1425, **(UGC Care listed Journal)**
15. Ru(II) complexes of N<sub>4</sub> and N<sub>2</sub>O<sub>2</sub> macrocyclic Schiff base ligands: their antibacterial and antifungal studies, K. Shanker, R. Rohini, **P. Muralidhar Reddy**, V. Ravinder and Yen-Peng Ho, *Spectrochimica Acta, A.*, 2009, 73, 205-211, **Impact Factor : 4.098**, Publisher : ELSEVIER Science Ltd, USA, **Journal Rank in Spectroscopy: 17**, ISSN: 1386-1425, **(UGC Care listed Journal)**
16. Ru(III)-catalyzed oxidation of pyridoxine and albuterol in pharmaceuticals, M. Ashok, A.V. S. S. Prasad, **P. Muralidhar Reddy**, V. Ravinder, *Spectrochimica Acta, A.*, 2009, 72, 204-208, **Impact Factor : 4.098**, Publisher : ELSEVIER Science Ltd, USA, **Journal Rank in Spectroscopy: 17**, ISSN: 1386-1425, **(UGC Care listed Journal)**
17. Catalytic reduction of pralidoxime in pharmaceuticals by macrocyclic Ni(II) compounds derived from ortho-phthalaldehyde, **P. Muralidhar Reddy**, A.V.S.S. Prasad, R. Rohini, V. Ravinder, *Spectrochimica Acta, A.*, 2008, 70, 704-712, **Impact Factor : 4.098**, Publisher : ELSEVIER Science Ltd, USA, **Journal Rank in Spectroscopy: 19**, ISSN: 1386-1425, **(UGC Care listed Journal)**
18. Substituted tertiary phosphine Ru(II) organometallics: Catalytic utility on the hydrolysis of etofibrate in pharmaceuticals, **P. Muralidhar Reddy**, K. Shanker, R. Rohini, M. Sarangapani, V. Ravinder, *Spectrochimica Acta, A.*, 2008, 70, 1231-1237. **Impact Factor : 4.098**, Publisher : ELSEVIER Science Ltd, USA, **Journal Rank in Spectroscopy: 17**, ISSN: 1386-1425, **(UGC Care listed Journal)**



19. Synthesis, spectral studies and antibacterial activity of novel macrocyclic Co(II) compounds, **P. Muralidhar Reddy**, A.V.S.S. Prasad, K. Shanker, V. Ravinder, *Spectrochimica Acta, A.*, 2007, 68, 1000-1006, **Impact Factor : 4.098**, Publisher : ELSEVIER Science Ltd, USA, **Journal Rank in Spectroscopy: 17**, ISSN: 1386-1425, **(UGC Care listed Journal)**
20. Synthesis of Some New Mono, Bis-Indolo(1, 2-c)quinazolines: Evaluation of their Antimicrobial Studies, R. Rohini, **P. Muralidhar Reddy**, K. Shanker, A. Hu and V. Ravinder, *Journal of the Brazilian Chemical Society*, 2010, 21(5), 897-904, **Impact Factor : 1.444**, Publisher : Society Brasileira Qumica, **Journal Rank in Chemistry, Multidisciplinary: 72**, ISSN: 0103-5053, **(UGC Care listed Journal)**
21. Synthesis and antimicrobial activities of a new class of 6-arylbenzimidazo(1,2-c)quinazolines, R. Rohini, K. Shanker, **P. Muralidhar Reddy** and Vadde Ravinder, *Journal of the Brazilian Chemical Society*, 2010, 21, 49-57, **Impact Factor : 1.444**, Publisher: Society Brasileira Qumica, **Journal Rank in Chemistry, Multidisciplinary: 72**, ISSN: 0103-5053, **(UGC Care listed Journal)**
22. Synthesis, Characterization and Catalytic Applications of Rh(I) organometallics with Substituted Tertiary Phosphines, P. Usha Rani, **P. Muralidhar Reddy**, K. Shanker and V. Ravinder, *Transition Metal Chemistry*, 2008, 33, 153-160, **Impact Factor: 1.261**, Publisher: SPRINGER, **Journal Rank in Chemistry, Inorganic and Nuclear: 27**, ISSN (printed): 0340-4285. ISSN (electronic): 1572-901X, **(UGC Care listed Journal)**
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- 85 Development and Validation of RP-HPLC Method in Simultaneous Estimation of Lamivudine and Abacavir as Tablet Dosage Form by A. Sanjeev, S. Bhaskar, Narmada Vallakeerthi, M. Kavitha, Anren Hu, **P. Muralidhar Reddy**, *J. Crit. Rev.* 2020, 7, 1358-1370, ( doi: [10.31838/jcr.07.02.229](https://doi.org/10.31838/jcr.07.02.229)), **Impact Factor: 1.27**, Publisher : Journal of Critical Review, Kuala Lumpur, Malaysia, ISSN 2394-5125; (**UGC care listed Journal**)
- 86 "Synthesis and Characterization of Oxo Zirconium (IV) Complexes of Polydentate Ligands" by S. Durga Bhavani, N. Naresh Reddy, A. Krishnam Raju, M. Radhika, **P. Muralidhar Reddy** and K. Bhaskar, American Institute of Physics (AIP) Conf. Proc. 2021, 2369,020044, <https://doi.org/10.1063/5.0060864>, **Impact Factor: 0.40**, Publisher: American Institute of Physics (United States), ISSN 0094-243X (print); 1551-7616 (web); CODEN: APCPCS, (**UGC care listed Journal**)
- 87 "Potential Applications of Nanoparticles Embedded U-bent Fiber Optic Probe" by Revathy Sundara Moorthy, Rohini Rondla, M. Kavitha, P. Hima Bindu, Chand Pasha, and **P. Muralidhar Reddy**, American Institute of Physics (AIP) Conf. Proc. 2021, 2369,020035, <https://doi.org/10.1063/5.0060856>, **Impact Factor: 0.40**, Publisher: American Institute of Physics (United States), ISSN 0094-243X (print); 1551-7616 (web); CODEN: APCPCS, (**UGC care listed Journal**)
- 88 Synthesis and Rational Design of New Appended1,2,3-Triazole-uracil Ensembles as Promising Anti-Tumor Agents via In Silico VEGFR-2 Transferase Inhibition, N. Naresh Reddy, A. Sanjeev, S. Bhaskar, M. Kumara Swamy, V. Srinivasa Rao, A. Krishnam Raju, K. Bhaskar, Anren Hu, **P. Muralidhar Reddy**, *Molecules*, 2021, 26, 1952, **Impact Factor: 4.927**, Publisher: MDPI AG, Switzerland, ISSN: 1420-3049; CODEN: MOLEFW, (**UGC care listed Journal**)

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- 90 “Design and synthesis, biological evaluation of bis-(1,2,3- and 1,2,4)-triazole derivatives as potential antimicrobial and antifungal agents” Sampath Bitla, Akkiraju Anjini Gayatri, **Muralidhar Reddy Puchakayala**, Vijaya Kumar Bhukya, Jagadeshwar Vannada, Ramulu Dhanavath, Bhaskar Kuthati, Devender Kothula, Someswar Rao Sagurthi, Krishnam Raju Atcha, *Bioorganic & Medicinal Chemistry Letters*, 2021, 41, 128004, **Impact Factor: 2.823**, Publisher : Elsevier, United Kingdom, ISSN: 0960-894X, **(UGC care listed Journal)**
- 91 An Efficient (TBA)<sub>2</sub>S<sub>2</sub>O<sub>8</sub> Catalyzed Regioselective Solvent-Free One-Pot Synthesis of Fully Substituted Pyrazoles, Mallesh Magini, Sampath Bitla, **P. Muralidhar Reddy** Saritha Birudaraju, Ramulu Dhanavath, Krishnam Raju Atcha, *Results in Chemistry*, 2021, 3, 100184, <https://doi.org/10.1016/j.rechem.2021.100184>, **Impact Factor:** , Publisher : Elsevier, United Kingdom, ISSN: 2211-7156, **(UGC care listed Journal)**
- 92 Mono and Tri-cationic Imidazolium Salts: Use as Stabilizers for Silver Nanoparticles and Anticancer Study, R. Rohini, N. Naresh Reddy, A. Sanjeev, S. Bhaskar, and **P. Muralidhar Reddy**, *Asian J. Org. Med. Chem.*, 2021, 6(3), 167-174, DOI: <https://doi.org/10.14233/ajomc.2021.AJOMC-P331>, **Impact Factor: 1.08**, Publisher: Asian Pub. Corp., ISSN: 2456-8937; CODEN: MOLEFW, **(UGC care listed Journal)**
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- 102 Precise Sn-Doping Modulation for Optimizing CdWO<sub>4</sub> Nanorod Photoluminescence, K. Manjunatha, Ming-Kang Ho, Tsu-En Hsu, Hsin-Hao Chiu, Tai-Yue Li, B. Vijaya Kumar, **P. Muralidhar Reddy**, Ting San Chan, Yu-Hao Wu, Bi-Hsuan Lin, Artashes Karmenyan, Chia-Liang Cheng, Ashish Chhaganlal Gandhi and Sheng Yun Wu, *Int. J. Mol. Sci.*, 2022, 23, 15123., (<https://doi.org/10.3390/ijms232315123>) **Impact Factor : 6.208**, Publisher : MDPI AG, Switzerland, ISSN : 1422-0067, (**UGC Care listed Journal**)
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- 108 Development and Validation of RP-HPLC Method for the Simultaneous Estimation of Bilastine and Montelukast in Tablet Dosage Form, Narmada Vallakeerthi, Rachala Swetha, T. Tejaswi, A. Ravinder Nath, K. Bhavyasri, N. Naresh Reddy, and **P. Muralidhar Reddy**, *Chem. Sci. Int. J.*, 2023, vol. 32, no. 3, pp. 52-61 (<https://doi.org/10.9734/CSJI/2023/v32i3848>), **Impact Factor: 1.20**, Publisher: Science domain International, USA (*American Chemical Science Journal*, Past ISSN: 2249-0205), ISSN: 2063-5346, **(UGC Care listed Journal)**
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- 117 Development and Validation of a Stability Indicating Green Analytical Method for The Simultaneous Estimation of Ambroxol and Loratadine in Bulk and Pharmaceutical Dosage forms by RP-HPLC, S. Swarnalatha, Narmada Vallakeerthi, Swetha Gadthey, Kavitha Pingili, **P. Muralidhar Reddy**, *Bull. Env. Pharmacol. Life Sci.* (2023), 13, 129-140, **Impact Factor: 1.326**, Publisher: Academy for Environment and Life Sciences, Online ISSN 2277-1808; **(UGC Care listed Journal)**
- 118 Efficient Green Synthesis, Anticancer Activity, and Molecular Docking Studies of Indolemethanes Using a Bioglycerol-Based Carbon Sulfonic Acid Catalyst, Sailam Sri Gogula, Dasari Vijaya Prasanna, Vishnu Thumma, Sunil Misra, Ch Abraham Lincoln, **P Muralidhar Reddy**, Anren Hu, BV Subbareddy, *ACS omega*, 2023, 8 (39), 36401-36411, **Impact Factor: 4.10**, Publisher: American Chemical Society, ISSN: 2470-1343 (print); 2470-1343 (web); **(UGC Care listed Journal)**
- 119 "Synthesis, Structure, Antimicrobial, DNA Binding and DFT Analysis of Bioactive Cu(II), Ni(II) and Co(II) Complexes Obtained from (Thiophene-2-yl)Methanamine Schiff Base Ligands", Sammita Durga Bhavani; Revathy Sundara Moorthy; Sreenu Daravath; Rohini Rondla; **P. Muralidhar Reddy**. *Asian J. Green Chem.*, 8, 4, 2024, 457-477. doi: 10.48309/ajgc.2024.454525.1495, **Cite Score 2023=3.7**, Publisher: Sami Publishing Company (SPC), Iran, Print ISSN: 2588-5839: Online ISSN: 2588-4328; **(UGC Care listed Journal)**
- 120 "Synthesis of Co(II) Metal Complexes of Tryptanthrin Schiff Bases, Characterization, their Biological Evaluation, and Molecular Docking Studies", M. Sridhar; Gangalla Ravi; K. Laxma Reddy; **P. Muralidhar Reddy**; P. Ramesh; A. Krishnam Raju. *Asian J. Green Chem.*, 8, 4, 2024, 441-456. doi: 10.48309/ajgc.2024.455141.1498, **Cite Score 2023=3.7**, Publisher: Sami Publishing Company (SPC), Iran Print ISSN: 2588-5839: Online ISSN: 2588-4328; **(UGC Care listed Journal)**
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- 123 Development and Validation of Stability Indicating RP-HPLC Method for Simultaneous Determination of CNS Stimulants: Serdexmethylphenidate and Dexmethylphenidate in Combined Formulation using Green Assessment, Swetha Gadthey, Narmada Vallakeerthi, Revathy Sundara Moorthy, Rohini Rondla, Kavitha Marapakala, Anren Hu & **P. Muralidhar Reddy**, *Sustainable Chemistry and Pharmacy*, 2023, Communicated, **Impact Factor: 6.0**, Publisher: ELSEVIER Science Ltd, USA, ISSN: 2352-5541; **(UGC Care listed Journal)**

### SCIENTIFIC CONFERENCES/SYMPOSIA/WORKSHOPS/CONDUCTED

- Conducted a “Workshop on Skill Development” in collaboration with OYSTER (Organization by Youth for Social Transformation and Environmental Recoup) on 10<sup>th</sup> February 2016, at Nizam College, Osmania University, Hyderabad, Telangana, India.
- Organizing committee member, “Recent Innovations in Science and Technology” On 28<sup>th</sup> Feb 2016 and 1<sup>st</sup> March 2016, Catalyzed and Supported by TSCOST & NTSTC, DST New Delhi under the theme of National Science Day - 2016 Celebrations: Make in India-S&T Driven Innovations organized by Nizam College, Osmania University, Hyderabad, Telangana, India.
- Organizing committee member, Two - Day National Seminar on Reforms in Higher Education - Opportunities and Challenges Deliberations on RUSA Guidelines: 28<sup>th</sup> – 29<sup>th</sup> March 2016, Sponsored by State Project Directorate-RUSA organized by Nizam College, Osmania University, Hyderabad, Telangana, India
- Organizing committee member, National Seminar on Recent Applications in Medicinal and Material Devices (NSRAMMD-2016) organized by Department of Chemistry and Department of Physics, Nizam College, Osmania University, Hyderabad, Telangana, India
- Conducted half day seminar on “Personality Development and Placement Training” for Campus Placements on 17<sup>th</sup> September, 2016, at 10.00 am to 1.00 pm
- Organized a Seminar on "Skill Development & Career Guidance" in collaboration with O.Y.S.T.E.R., Osmania University, Hyderabad. (27<sup>th</sup> January, 2017).
- Organizing committee member, All India Women's Conference on “Women's Issues, Challenges and Opportunities” organized by the Women Empowerment Cell & CASH, Nizam College, Osmania University, Hyderabad. (3-4<sup>th</sup> March 2017).
- Organized a Seminar on “Resume Preparation & Report writing” on 31<sup>st</sup> March 2017 (Friday) in collaboration with Directorate of Placement Services, Osmania University
- Organizing committee member at 20<sup>th</sup> International Conference of International Academy of Physical Sciences (CONIAPS XX) On Recent Advances in Physical Sciences and Future Challenge on 14<sup>th</sup> -16<sup>th</sup> July 2017.
- Organized a Five Days Workshop on “SOFT SKILLS” held during September 11<sup>th</sup> – 15<sup>th</sup>, 2017, in collaboration with Directorate of Placement Services, Osmania University
- Organized a a Symposium on “EDUCATE AND ENCOURAGE” held on 5<sup>th</sup> March 2018, in collaboration with Women Empowerment Cell Nizam College, Osmania University, Hyderabad, India

- Organized a Seminar on “Personality Development, Communication Excellence & Career Opportunities” in collaboration with OYSTER On 15.02.2019 (Friday) at Nizam College, Osmania University, Hyderabad, Telangana, India.
- Organized an Online Chemistry Quiz on “Fundamental of Chemistry” by Department of Inorganic Chemistry, Osmania University, Hyderabad, Telangana on 6<sup>th</sup> June 2020
- Chairperson in Scientific session of the Virtual International Conference on Surface Chemistry, SUCH-2020, held on 27<sup>th</sup> and 28<sup>th</sup> August-2020. Department of Chemistry, Annamalai University, Annamalai Nagar-608002, Tamil Nadu, India
- Act as Chair Person in the National Conference on Physics and Chemistry of Materials (NCPKM2020) during 14<sup>th</sup>- -16<sup>th</sup> December, 2020 organized by Department of Physics, Government Holkar (Model, Autonomous) Science College, Indore (M.P.), INDIA
- Act as Chair Person in the Two-Day National Seminar on “Emerging Trends in Chemical and Materials Science Research” (ETCMSR-2022), On 25<sup>th</sup> and 26<sup>th</sup> February 2022, organized by Department of Chemistry, SR & BGNR Govt. Arts & Science College, Khammam-507001
- Act as Rapporteur in Scientific session of Two-day International Seminar on "Current Trends & Futuristic Challenges in Chemical Sciences" on 29<sup>th</sup> and 30<sup>th</sup> July 2022, organized by Department of Chemistry, Osmania University, Hyderabad.

## **PARTICIPATIONS AND PRESENTATIONS**

### **INTERNATIONAL:**

1. Participated in the 2<sup>nd</sup> International Conference on “Organic Synthesis and Process Chemistry” (OSPC-2005) at Indian Institute of Chemical Technology and AVRA Laboratories Pvt. Ltd., Hyderabad (1<sup>st</sup> -3<sup>rd</sup> April 2005).
2. Presented a research paper titled “Synthesis and spectral characterization of new biologically active macrocycles derived from ortho-phthalaldehyde” at Joint International Conference on “Advances in Organic Chemistry and Chemical Biology” (AOCCB-2006) at Indian Institute of Chemical Technology, Hyderabad (11<sup>th</sup> & 12<sup>th</sup> January, 2006).
3. Participated in the Annual Chinese Chemical Society & ICCT (International Chemical Conference, Taipei) 2007 Joint Conference. National Tsing - Hua University, Tsinchu, Taiwan (13 -16 December 2007)
4. Participated in the 2008 Taiwan Proteomics Society Mid-Year International Conference (TPMI-2008) at Still Thought Hall, Buddhist Tzu Chi General Hospital, Hualien, Taiwan, ROC, (June 4-5 2008).
5. Presented a research paper titled “Characterization of Phosphopeptides by a Combination of  $\beta$ -Elimination/Michael Addition and Gold affinity Purification”, at 56<sup>th</sup> ASMS Conference on Mass Spectrometry, June 01- 06, 2008, Denver, USA.
6. 2010 Taiwan Society for Mass Spectrometry Spring Workshop, National Dong Hwa University (NDHU), Hualien, Taiwan (9<sup>th</sup> and 10<sup>th</sup> April 2010).
7. Presented a research paper titled “Synthesis and Characterization of Functionalized Magnetic Iron oxide ( $\text{Fe}_3\text{O}_4$ ) Nanoparticles: Efficient Affinity Probes to Capture Gram-Positive and Gram-Negative Bacteria”, at International Conference on Convergence of Science and Engineering in Education and Research-A Global Prospective in the New Millennium, ICSE 2010, Dayananda Sagar Institutions, Bangalore, (21<sup>st</sup>, 22<sup>nd</sup> & 23<sup>rd</sup> April 2010).
8. Presented a research paper titled “Capture of Bacteria with Various Functionalized Magnetic Nanoparticles for Detection by MALDI-MS”, at 58<sup>th</sup> ASMS Conference on Mass Spectrometry, May 23-27, 2010, Salt Lake City, Utah, USA.

9. Presented a research paper titled “Applications of Surface Modified Magnetic Fe<sub>3</sub>O<sub>4</sub> Nanoparticles for Capture of Gram-Positive/Negative Bacteria in Various Sample Solutions”, at International Conference on Nanoscience and Nanotechnology (ICNN-2011), January 11-13, 2011, SRMTU, Nanded, (M. S.), India, **Received the Best Paper Presentation Award (Ranked First) at ICNN-2011**
10. Participated in the “2011 Conference on Nanotechnology and Biomedicine”, Organized by Nanocenter, National Dong Hwa University (NDHU), Hualien, Taiwan (10<sup>th</sup> March 2011).
11. Participated in the International Conference of Translational Herbal Medicine-2011, Organized by Department of Biotechnology, National Dong Hwa University (NDHU), Hualien, Taiwan (2011 May 17- 2011 May 18).
12. Participated in the 8<sup>th</sup> Taiwan Society for Mass Spectrometry Annual Conference, Organized by Academia Sinica, Taipei, Taiwan (2011 July10- 2011 July12)
13. Participated in the 3<sup>rd</sup> Taiwan-Korea Bilateral Symposium, National Dong Hwa University, Hualien, Taiwan. (4-8<sup>th</sup> November 2011).
14. Presented a research paper titled “Antibacterial active tetraaza macrocyclic complexes of Ru (II), Pd (II), and Pt (II) with their spectroscopic approach” at MEDCHEM Congress 2011, organized NIPER/IICT, Hyderabad, India, From 25-26<sup>th</sup>, February 2011.
15. Conference on “New Formulation for Targeting Nano-Drugs”, Organized by National Dong Hwa University (NDHU), Hualien, Taiwan (28<sup>th</sup> April 2012).
16. Presented a research paper titled “Quantification of Genetically Modified Soya Using Stable Isotope Labeling and MALDI-MS”, at The 4<sup>th</sup> World Chinese Mass Spectrometry Conference (WCMSC) and 2012 Taiwan Society for Mass Spectrometry (TSMS) Annual Conference, From June 28 – July, 1, 2012, National Cheng Kung University College Of Medicine, Taiwan
17. Presented a research paper titled “Mass spectrometry identification of pathogens in various sample solutions using functionalized magnetic iron oxide (Fe<sub>3</sub>O<sub>4</sub>) nanoparticles”, at 3<sup>rd</sup> World Congress on Biotechnology, September 13-15, 2012, Hyderabad International Convention Centre (HICC), Hyderabad, India, Organized by OMICS Publishing Group, USA.
18. Presented a research paper titled “Identification of Medically Important Candida Species by LC-Selective Tandem Mass Spectrometry”, at 19<sup>th</sup> International Mass Spectrometry Conference (IMSC-2012), September 15 – 21, 2012, Kyoto International Conference Center, Takaragaike, Sakyo-ku, Kyoto 606-0001, Japan
19. Presented a research paper titled “Functionalized Magnetic Fe<sub>3</sub>O<sub>4</sub> Nanoparticles for Rapid Bacterial Capture” at "International Conference on Nano, Bio and Material Sciences (ICONBMS – 2014), January 8 - 10, 2014, organized by Department of Physics, Nizam College, Osmania University, Hyderabad, India
20. Presented a research paper titled “Nanodiamond Supported Synthesis of Dendrimers Suitable for Biological Applications” at "International Symposium on Nature Inspired Initiatives in Chemical Trends (NICT – 2014) during March 2-5, 2014, organized by Indian Institute of Chemical Technology, Hyderabad, India
21. Participated in the "International Conference on “Drug for the Future : Infectious Diseases - 2014” Antimicrobial Drug Discovery : Challenges and Perspectives at NIPER, Hyderabad, From 27<sup>th</sup> to 28<sup>th</sup> March, 2014,
22. Presented an Oral on “Biological applications of Functionalized Magnetic Nanoparticles” at The 11<sup>th</sup> Taiwan-U.S. Air Force Nanoscience Program Review and Workshop" From 13<sup>th</sup> to 15<sup>th</sup> May, 2014 at National Dong Hwa University, Hualien, Taiwan.
23. Presented a research paper titled “Study of Microwave Effects on the Lipase-Catalyzed Hydrolysis Reactions” at International Conference on “Green Technologies for Environmental Protection” Sponsored by UGC-SERO, From 29<sup>th</sup> to 30<sup>th</sup> December, 2014, organized by Vivek Vardhini College of Arts, Commerce, Science, &



Post Graduate Studies, Jambagh, Hyderabad, T.S., India.

24. Presented a research paper titled "Macrocyclic Azomethine Rhodium (I) Complex Catalyzed Reduction of Letrozole in Pharmaceuticals" at International conference on Science and Engineering of Materials for Future Needs (ICSEMF- 2015) during December 21st and 22nd, 2015, organized by SR & BGNR Govt. Arts and Science College, Khammam, Telangana, India
25. Oral presentation titled "Microwave irradiation synthesis of silver nanoparticles using Euphorbia tirucalli stem extract and its catalytic application" - International Conference on Trend Setting Innovations in Chemical Sciences & Technology Nature Inspired Chemistry & Engineering (TSCST-NICE 2016) organized by JNTU, Hyderabad, Telangana State, India (4-6th October, 2016).
26. Presented a research paper titled "Surface Functionalized Magnetic Iron Oxide Nanoparticles: Synthesis, Photocatalytic activity, and Biological Applications" at 20<sup>th</sup> International Conference of International Academy of Physical Sciences (CONIAPS XX) On Recent Advances in Physical Sciences and Future Challenge on 14th -16th July 2017, organized by Osmania University, Hyderabad, Telangana State, India
27. Presented a research paper titled "Synthesis, Characterization and In Vitro Studies of Quinazoline Based Metal Complexes Against MCF-7 Breast Cancer Cell Line" at International Conference On "Innovations In Commerce And Science" (ICICS-2017) On 29th&30th November, 2017, organized by Nizam College, Hyderabad, Telangana State, India
28. Presented a research paper titled "Zeolite encapsulated metal complexes of Cu(II) and Co(II) with histidine and glycine : Synthesis and Characterization" at International Conference on " Chemistry for sustainable future" on 7<sup>th</sup> – 9<sup>th</sup> August, 2018, organized by Department of Integrated Chemistry, Palamuru University, Mahbubnagar, Telangana, India
29. Participated as delegate in the "International Workshop on Physical Education & Sports Science-2018" held at Nizam College, Osmania University, Hyderabad, Telangana, India, In association with International Federation of Physical Education, Fitness & Sports science association, on 10<sup>th</sup> October-2018.
30. Participated in the one-day "International Symposium on "Recent Trends in Chemical Biology" held at RDCC, University College of Science, Osmania University, Hyderabad, on 28<sup>th</sup> November, 2018.
31. Presented a research paper titled Synthesis and Characterization of Bivalent Iron Complexes with Organic Amide Ligands" at International Conference On "Emerging Trends in Spectroscopic Techniques and their Applications" (etsta-2018) on 3<sup>rd</sup> and 4<sup>th</sup> December 2018 organized by Dept. of Chemistry, University College for Women, Osmania University, Hyderabad, Telangana State, India
32. Participated in One Day "International Webinar on "ISS-ABOVE: the story of a 6+ adventure bringing space station inspiration to the world "organized by Department of Computer Hardware, Nizam College, Osmania University, Hyderabad on 6th, MAY, 2020
33. Participated in the International Webinar on BIOSENSORS organized by the Department of Chemistry, St. Paul's College, Kalamassery, Kerala on 13th May 2020
34. Participated in the International Webinar - Webinar Series 5- Visualization tools in Chemistry organized by the Department of Chemistry, St. Paul's College, Kalamassery, Kerala on 19th May 2020
35. International Webinar on Materials for Energy, Environment and Health Care Applications, organized by Department of Chemistry, The Gandhigram Rural Institute (Deemed to be University) Gandhigram, Dindigul District, Tamil Nadu, India, May 21-22, 2020.
36. Participated in International Webinar- Two Day Online Faculty Development Programme on "CHEMICAL SAFETY AND ENVIRONMENTAL PROTECTION" organized by Department of Chemistry, Government College Autonomous,



Rajahmundry, Andhra Pradesh, INDIA through Google Meet on 18-19, May 2020.

37. Participated in the International Webinar on “Secrets of Lateral Flow Immunoassay analysis (Rapid Test Kit) for coronavirus detection: Role of TPNT to fight against COVID-19” organized by Department of Chemistry, Annai College of Arts & Science, Tiruchirappalli on 21/05/2020
38. Participated in the International Webinar Lecture Series organized by the Department of Chemistry, St. Michael’s College, Cherthala, Alappuzha, Kerala from 21-23 May 2020.
39. Participated in the “International live Webinar on "Synthesis of Biologically Active Compounds Based on Nitrogen Heterosystem” organized by Department of Chemistry, Annai College of Arts & Science, Tiruchirappalli on 23/05/2020.
40. Presented a research paper titled “Mono and Tri-caationic imidazolium salts: Use as stabilizers for AgNPs and Anticancer Study” at Online Two days International Conference on New Pathways in Chemistry, on 23rd and 24th May 2020 organized by Department of Chemistry, N. G. Acharya & D. K. Marathe College of Arts, Science & Commerce, Shri N.G. Acharya Marg, Chembur, Mumbai-400071, Maharashtra, India
41. Attended the International webinar on “Researching and Writing a Masters Dissertation” Organized by PG Department of Chemistry and Microbiology, Seth Kesarimal Porwal College of Arts and Science and Commerce, Kamptee Nagpur, Maharashtra India held on 25th May 2020.
42. Participated in the International Webinar on “Awareness and Readiness of COVID-19” organized by the Department of Zoology and Botany in association with IQAC-Ch.S.D.St.Theresa's Autonomous College for Women (A), Eluru, W.G.Dt., A.P., India on 26<sup>th</sup> May, 2020
43. Participated in the International Webinar on "Cyclic and Linear Sweep Voltammetry-Fundamentals & Applications” Organized by the Department of Chemistry, Bhaktavatsalam Memorial College for Women, Chennai, on 31.05.2020.
44. Participated in two days international virtual conference on Modern Instrumental and Characterization Techniques in Applied Sciences-2020 (MICTAS-2020) organized by MIET Kumaon Haldwani & Department of Chemistry, H.N.B. Govt. P. G. College, Khatima, Uttarakhand in collaboration with USERC DST Dehradun & Department of Chemistry, R.H. Govt. P. G. College, Kashipur, Uttarakhand, India on July 5-6, 2020 at e-platform.
45. Participated in the International Webinar on “Heterogeneous Catalysis: Rudiments & Industrial Relevance” organized by the Department of Chemistry, University College of Science, Osmania University, Hyderabad, Telangana, India on 13th July 2020.
46. Presented a Paper oral/Poster entitled “Overview of the Effect of COVID-19 Pandemic on Forensic Pathology” at “Two Days International e-Conference on COVID-19 Impact on Environment and Human Health” on 18<sup>th</sup> and 20<sup>th</sup> July 2020 organized by Department of Environmental Science, Osmania University, Hyderabad, Telangana State, India
47. Participated in one day International Webinar on "Recent Advances in Organic Synthesis & Clinical Trial Process for Drug Approval" conducted by the Department of Chemistry, University College of Science, Osmania University, Hyderabad held on 3rd August 2020.
48. Participated in International Webinar on “Real World Applications of Nanomaterials” conducted by Department of Chemistry, University College of Science, Osmania University, Hyderabad held on 4th & 5th August, 2020.
49. Participated in International Webinar on “Role of Chemists in discovery of Drug and Vaccine for COVID-19”, on the eve of Birth Centenary Celebrations of Former Prime Minister Sri.P.V.Narsimha Rao Garu, organized by the Department of Chemistry, University College of Science, Satavahana University, Karimnagar- 505001,

Telangana, India, on 16th August 2020.

- 50 Participated in an International Webinar on “Advanced Functional Materials” organized by Department of Chemistry & Physics, Nizam College, Osmania University, Hyderabad, Telangana State, India held during 18th – 21st August 2020.
- 51 Attended two-day International Webinar on “Emerging Technologies in Drug Delivery and Development” Organized by Department of Chemistry, Nizam College, Osmania University on 04th - 05th September 2020.
- 52 Participated in Two Day Virtual International Conference on “CURRENT RESEARCH TRENDS IN CHEMICAL SCIENCES (CRTCS-2020)” Organized by Department of Chemistry, University College for Women, Koti, Hyderabad from 10th to 11th September, 2020.
- 55 Participated in International Webinar on Recent Trends in Phytochemical Research and Drug Discovery (RTPRDD-2020) organized by Department of Chemistry, SR&BGNR. Government Arts & Science College (Autonomous), Khammam, Telangana, India on 20<sup>th</sup> November, 2020.
- 56 Presented a Paper oral/Poster titled “Synthesis, Characterization and Biological Applications of (E)-N-(2(methylthio)phenyl)-1-(pyridin-2-yl)methanimine Cobalt (II) Complexes” at Virtual International Conference on Advances in Chemistry and Chemical Engineering 2021 (ACCE 2021) organized by Department of Chemical Engineering, Sardar Vallabhbhai National Institute of Technology, Surat (India) on April 16-17, 2021.
- 57 Presented a Paper titled “Recent Applications of Functionalized Magnetic Nanoparticles in Food, Forensic and Environmental sciences” at “International Virtual Conference on Disciplinary, Interdisciplinary and Multidisciplinary Research 2021 (14-15 October 2021), organized by Research India Foundation, Bhubaneswar-751002, Odisha, India.
- 58 Presented a Paper titled “Functionalized Magnetic Nanoparticles for the Detection Identification of Pathogens by Mass Spectrometry and Bio - Medical Applications” at APP 17th Indo - US INTERNATIONAL CONFERENCE Theme: "Recent Advances and Global Trends in Pharmaceutical Sciences" at St. Pauls College of Pharmacy, Turkayamjal, Abdullapurmet, Ranga Reddy, Telangana, organized by APP Karnataka State Branch in collaboration with APP American International Branch & APP Analytical Chemistry Division on a virtual mode on the 21<sup>st</sup> & 22<sup>nd</sup> day of January 2022, in commemoration of ‘Parakram Diwas’.
- 59 Presented a Paper titled “Analytical Method Development and Validation for the Simultaneous Estimation of Metformin and Atorvastatin by Rp-HPLC in Combined Dosage Form” @ SUCH -2022, Virtual International Conference on Surface Chemistry Organized by Department of Chemistry, Annamalai University, 11th and 12th February 2022
- 60 Presented a Paper titled “Applications of Magnetic Nano Fe<sub>3</sub>O<sub>4</sub> in Environmental, Forensic and Food Sciences” in a Two Days Virtual International Conference on Chemical Advances on Sustainable Development (CASD 2022) organized by Department of Chemistry, University college for Women, Koti, Hyderabad from 12th to 13th April, 2022.
- 61 Presented a Paper titled “Synthesis, Structure, Antimicrobial, DNA binding and DFT Analysis of Bioactive Cu(II), Ni(II) and Co(II) complexes obtained from (thiophen-2yl) methanamine Schiff base Ligands” at Two-day International Seminar on "Current Trends & Futuristic Challenges in Chemical Sciences” on 29th and 30th July 2022, organized by Department of Chemistry, Osmania University, Hyderabad.
- 62 Presented a Paper titled “Benzimidazo Quinazoline Based Metal Complexes: Synthesis, Characterization and In vitro Anticancer Activity” in an International Conference on Ultrasonic and Material Science for Advanced Technology (ICUMSAT-2022) organized by Telangana University, Dichipally, Nizamabad, Telangana in association with Ultrasonic Society of India, from 1st to 3rd August 2022

## NATIONAL:

1. Presented a research paper titled "Immobilization of Microorganisms with Gold nanoparticles for detection by MALDI-mass spectrometry", at National Seminar on "Novel Polymers, Nano Science And Green Chemistry", organized by Department of Chemistry, Kakatiya University, Warangal, A.P, India. 22nd And 23rd Feb, 2008
2. Presented a research paper titled "Ru(II) complexes of N<sub>4</sub> and N<sub>2</sub>O<sub>2</sub> macrocyclic schiff base ligands ;their Antibacterial and Antifungal studies" at National Seminar on "Novel Polymers, Nano Science And Green Chemistry", organized by Department of Chemistry, Kakatiya University, Warangal, A.P, India. 22nd And 23rd Feb, 2008
3. Presented a research paper titled "Biologically active Schiff base Macrocycles derived from Ortho-phthalaldehyde in aqueous Methanol media", at National Seminar on "Novel Polymers, Nano Science And Green Chemistry", organized by Department of Chemistry, Kakatiya University, Warangal, A.P, India. 22nd And 23rd Feb, 2008
4. Presented a research paper titled "Physicochemical and biological characterization of novel macrocyclic compounds with a N<sub>2</sub>O<sub>2</sub> donor atoms", at National Symposium on "Emerging Trends in Medicinal Chemistry-India A Global Hub", organized by Department of Chemistry, C.K.M.Arts and Science College, A.P., India.(02-02-2008 to 03-02-2008)
5. Presented a research paper titled "Synthesis, spectral studies, catalytic and antibacterial activity of Ru(II) complexes with coordinated amides" at National Symposium on "Emerging Trends in Medicinal Chemistry-India A Global Hub", C.K.M.Arts and Science College. A.P., India (02-02-2008 to 03-02-2008)
6. Presented a research paper titled "Characterization of Phosphopeptides by a Combination of  $\beta$ -Elimination/Michael Addition and Gold affinity Purification" at DST sponsored National symposium on MEMS, NEMS and Nanoengineering, organized by GMR Institute of Technology, GMR Nagar, Rajam, A.P., India, August 08-09, 2008.
7. Presented a research paper titled "Non-template synthesis, spectroscopic studies, catalytic and biological screening of macrocyclic Cu(II) complexes derived from orthophthalaldehyde" at "New Frontiers in Chemistry" (UGC Sponsored National Seminar) organized by Kakatiya University, Warangal, A.P. (23-02-2007 to 24-02-2007).
8. Presented a research paper titled "Cobalt catalyzed reduction for the determination of nitrazepam and nitrofurantoin in pharmaceuticals", at "New Frontiers in Chemistry" (UGC Sponsored National Seminar) organized by Kakatiya University, Warangal, A.P. (23-02-2007 to 24-02-2007).
9. Presented a research paper titled "Synthesis, characterization and biological evaluation of Pd(II) complexes with neutral tetraaza macrocyclic Schiff bases", at "New Frontiers in Chemistry" (UGC Sponsored National Seminar) organized by Kakatiya University, Warangal, A.P. (23-02-2007 to 24-02-2007).
10. Presented a research paper titled "Utility of macrocyclic Rh(III) compounds as catalysts for the oxidation of ascorbic acid", at National Seminar on "Current Trends in Synthetic Aspects of Organic Chemistry" Sponsored by UGC, New Delhi at JKC College, Guntur (10<sup>th</sup> & 11<sup>th</sup> February 2007).
11. Presented a research paper titled "Spectral and catalytic hydrogenation studies of Ru(II) organometallics containing substituted tertiary phosphines", at National Seminar on "Current Trends in Synthetic Aspects of Organic Chemistry" Sponsored by UGC, New Delhi at JKC College, Guntur. (10<sup>th</sup> & 11<sup>th</sup> February 2007).
12. Presented a research paper titled "One-pot synthesis of pharmacologically active macrocycles", at Silver Jubilee Conference at Birla College, Kalyan (M.S.) organized by Indian Council of Chemists (27<sup>th</sup> - 29<sup>th</sup> December 2006).

13. Presented a research paper titled "Reduction of tinidazole catalyzed by macrocyclic Ni (II) compound", at UGC Sponsored State Level Seminar, organized by D. N. R. College, Bhimavaram, A.P. (24-11-2006).
14. Presented a research paper titled "Reactivity of cycloheptatriene ruthenium (II) with substituted tertiary aryl phosphines", at UGC Sponsored National Seminar on "Recent Developments in Coordination and Bioinorganic Chemistry" organized by Department of Chemistry, Kakatiya University Warangal (11<sup>th</sup> and 12<sup>th</sup> March 2005).
15. Presented a research paper titled "Synthesis and spectral studies of some transitional metal complexes with biologically active amide ligands", at 7<sup>th</sup> CRSI Symposium in Chemistry, organized by IACS, Kolkata, 2005
16. Presented a research paper titled "Studies on complexes of ruthenium (II) organometallics with acetyl acetone and substituted tertiary phosphines", at UGC Sponsored National Symposium on "Emerging Research Trends and Developments in Chemistry" organized by University Arts and Science College, Kakatiya University Warangal (16<sup>th</sup> and 17<sup>th</sup> December 2003).
17. Participated in the Overview On Drug Discovery And Development (Module 1 : 8-9<sup>th</sup> October, 2010) of the "Workshop On Drug Discovery: Drug Design, Development, Delivery and Preclinical Studies (D4PS)-2010 held at Hyderabad, Jointly conducted by NIPER-Hyderabad & IICT, India.
18. Participated in the Dosage Form Development & Novel Drug Delivery System (Module 2 : 12-13<sup>th</sup> November, 2010) of the "Workshop On Drug Discovery: Drug Design, Development, Delivery and Preclinical Studies (D4PS)-2010 held at Hyderabad, Jointly conducted by NIPER-Hyderabad & IICT, India
19. Participated in the Pre-Clinical Phase and Toxicology Evaluation (Module 3 : 26-27<sup>th</sup> November, 2010) of the "Workshop On Drug Discovery: Drug Design, Development, Delivery and Preclinical Studies (D4PS)-2010 held at Hyderabad, Jointly conducted by NIPER-Hyderabad & IICT, India
20. Presented a research paper titled "Evaluation of Magnetic Functionalized Magnetic Iron Oxide (Fe<sub>3</sub>O<sub>4</sub>) Nanoparticles for Capturing Gram-Positive and Gram-Negative Bacteria" at "National Conference on Frontiers Of Chemical Research – 2013 (NCFCR – 2013)" organized by Department of Chemistry, Jawaharlal Nehru Technological University Hyderabad (JNTUH) College of Engineering, Kukatpally, Hyderabad (25<sup>th</sup> & 26<sup>th</sup> October, 2013)
21. Participated in National Workshop on "Recent Advances in Synthesis and Medicinal Applications of Heterocyclic Compounds (RASMAHC)" organized by Department of Chemistry, National Institute of Technology (NIT), Warangal, Andhra Pradesh, during 8<sup>th</sup> - 10<sup>th</sup> November, 2013.
22. Participated in "A.P. Science Congress – 2013" organized by University of Hyderabad and Andhra Pradesh Akademi of Sciences (APAS), Hyderabad, during 14 – 16, November, 2013.
23. Presented a research paper titled "Functionalized Magnetic Fe<sub>3</sub>O<sub>4</sub> Nanoparticles for Rapid Bacterial Capture" at "National Conference on Emerging Trends in Physical and Chemical Sciences"- (NCET-PCS) during 15-16 March 2014, organized by Department of Physics Govt. Holkar Science College, Indore, M.P., India
24. Participated in "Skill Development Program on Leadership (Sponsored by UGC)" organized by Research Development & Consultancy Cell (RDCC), Osmania University, Hyderabad, 6<sup>th</sup> February, 2014.
25. Presented a research paper titled "Microwave-Assisted Proteolytic Digestions –Are There Any Nonthermal Microwave Effects?" at "National Conference on Nanoscience and Nanotechnology"- (NCNN-2014) organized by Department of Chemistry, Mahatma Gandhi University, Nalgonda on 21st February, 2014.
26. Participated in "A One-day seminar on X-ray diffraction: Key to crystallographic studies" organized by Department of Chemistry, Osmania University College for



Women, Koti, Hyderabad, 15<sup>th</sup> March 2014.

27. Participated in two day workshop on “Computational Drug Design” held on 3<sup>rd</sup> and 4<sup>th</sup> April, 2014, organized by Department of Chemistry, University College of Science, Osmania University, Hyderabad.
28. Participated in “A One-day seminar on Academia-Industry Interface” organized by Department of Chemistry, University College of Science, Osmania University, Hyderabad, 6<sup>th</sup> August 2014.
29. Presented a research paper titled “MALDI-TOF-MS Identification of Pathogens in Foods using Functionalized Magnetic Iron Oxide ( $\text{Fe}_3\text{O}_4$ ) Nanoparticles” at UGC Sponsored National Seminar on “Recent Advances in Chemistry” (RAC-2015) organized by Department of Chemistry, Kakatiya University, Warangal, T.S. (30-31 March, 2015).
30. Presented a research paper titled “Synthesis, characterization and liquid crystal properties investigation of ligand type ( $\text{N}_4\text{O}_2\text{S}_2$ ) and its homo and hetero binuclear metal complexes” at UGC Sponsored National Seminar on “Recent Advances in Chemistry” (RAC-2015) organized by Department of Chemistry, Kakatiya University, Warangal, T.S. (30-31 March, 2015). **Received the Best Paper Presentation Award (Ranked First) at RAC-2015**
31. Participated in “A One-day seminar on Implementation of CBCS in Colleges-Prospects and Challenges” organized by RBVRR Women’s College, Hyderabad, Telangana, in collaboration with the Telangana State Council of Higher Education and Indian Council of Social Science Research (Southern Regional Center), on 27<sup>th</sup> June 2015.
32. Presented a research paper titled “Development of Hydrazinium Based Ionic Liquids” at “A One-day seminar on Characterization of Materials” organized by Department of Physics, Nizam College (Autonomous), Osmania University, Hyderabad, Telangana, on 28<sup>th</sup> July 2015.
33. Attended the Seminar on “Advances in Chemical Sciences” held on 27<sup>th</sup> August, 2015, Organized by Department of Chemistry, University College of Science, Osmania University, Hyderabad.
34. Participated in One Day Orientation Programme on “Research and Consultancy” (Sponsored by UGC) organized by Research Development & Consultancy Cell (RDCC), Osmania University, Hyderabad, 23<sup>rd</sup> September, 2015.
35. Participated in the One day Workshop for Training and Placement Officers on “Role of TPO in Placements & Capacity Building Activities” held on September 26, 2015 at E-Classroom, CFRD, Osmania University Campus, Hyderabad.
36. Presented a research paper titled “Cobalt(II) and Copper(II) Complexes of  $\text{N}_2\text{O}_2$  and  $\text{N}_2\text{O}_4$  Schiff base Ligands: Their Catalytic and Antibacterial Studies”, at UGC Sponsored Two-day National Seminar on “Emerging Trends and Challenges in Chemical Research” during December 18<sup>th</sup> and 19<sup>th</sup>, 2015, Organized by Department Of Chemistry, Govt. Degree College, Bhadrachalam, Khammam District, (Affiliated to Kakatiya University) In Collaboration with Indian Institute of Chemical Technology, Hyderabad & Royal Society of Chemistry
37. Presented a research paper titled “Synthesis of  $\text{Fe}_3\text{O}_4$ ,  $\text{Fe}_3\text{O}_4@\text{SiO}_2$ ,  $\text{Fe}_3\text{O}_4@\text{SiO}_2@\text{TiO}_2$ ,  $\text{Fe}_3\text{O}_4@\text{SiO}_2@\text{ZrO}_2$ ,  $\text{Fe}_3\text{O}_4@\text{SiO}_2@\text{PEI}$  and  $\text{Fe}_3\text{O}_4@\text{SiO}_2@\text{PAA}$  Functionalized Magnetic Nanoparticles (MNPs)” at UGC Sponsored “National Seminar on Green Chemistry for a Sustainable and Healthy Economy” on 23 - 01 - 2016, Organized by Department of Chemistry, VSR & NVR College, Tenali, In Collaboration with Department of Chemistry, Acharya Nagarjuna University, and Internal Quality Assurance Cell, VSR & NVR College, Tenali, AP, India
38. Participated in “Workshop on Skill Development” Jointly organized by Placement Cell, Nizam College in collaboration with OYSTER (Organization by Youth for Social Transformation and Environmental Recoup) on 10<sup>th</sup> February, 2016, held at Nizam College, Osmania University, Hyderabad, Telangana, India.



- 39 Participated in Two day Program on “Recent Innovations in Science and Technology” On 28th Feb 2016 and 1st March 2016, Catalyzed and Supported by TSCOST & NTSTC, DST New Delhi under the theme of National Science Day - 2016 Celebrations: Make in India-S&T Driven Innovations organized by Nizam College, Osmania University, Hyderabad, Telangana, India.
- 40 Two - Day National Seminar on Reforms in Higher Education - Opportunities and Challenges Deliberations on RUSA Guidelines: 28<sup>th</sup> – 29<sup>th</sup> March 2016, Sponsored by State Project Directorate-RUSA organized by Nizam College, Osmania University, Hyderabad, Telangana, India
- 41 Presented a research paper titled “Bivalent Schiff Base Metal Complexes: Synthesis, Antibacterial, Anticancer and DNA Cleavage Studies, at National Seminar on Recent Applications in Medicinal and Material Devices (NSRAMMD-2016) organized by Department of Chemistry and Department of Physics, Nizam College, Osmania University, Hyderabad, Telangana, India
- 42 Presented a research paper titled “Novel Mouth Cleaners with Positive Charged Magnetic Nano Particles”, at National Symposium on Recent Advances in Chemical and Material Sciences (RACMS-2016) organized by Department of Chemistry, Ragiv Gandhi University of Knowledge Technologies-Basar (RGUKT-Basar), IIIT-Basara, Telangana, India
- 43 Participated in the one-day seminar on ‘Green and Sustainable Chemistry’ organized by Department of Chemistry, University College for Women, Koti, Hyderabad on Sep. 1st, 2016.
- 44 Participated in the “National Workshop on Material Characterization Techniques” (NWMCT-2016) held during 28<sup>th</sup> and 29<sup>th</sup> September 2016 at the Department of Physics, Osmania University, Hyderabad, Telangana, India.
- 45 Participated in "Two days Annual Pharma Conference on Intellectual Property Rights" (APCIPR-2016) organized by IQAC, Nizam College and Madin Life Sciences Private Limited, Osmania University, Hyderabad. (5th-6th October, 2016).
- 46 Participated in Seminar on "Skill Development & Career Guidance" jointly organized by Placement Cell, Nizam College and O.Y.S.T.E.R., Osmania University, Hyderabad. (27th January, 2017).
- 47 Presented a research paper titled “Schiff Base Metal Complexes: Synthesis, Antibacterial, Anticancer and DNA Cleavage Studies”at DST – SERB Sponsored National Conference On “Recent Advanced in polymer Technology and Industrial Applications – 2017” (RAPTIA-2017) held during 17th – 18th February, 2017 at Department of Chemistry, Guru Nanak Institutions Technical Campus, Hyderabad.
- 48 Participated in "All India Women’s Conference on “Women’s Issues, Challenges and Oppurtunities” organized by the Women Empowerment Cell& CASH, Nizam College, Osmania University, Hyderabad. (3-4th March, 2017).
- 49 Participated in a Seminar on “Resume Preparation & Report writing “(Sponsored by UGC) on 31st March 2017(Friday) organized by Directorate of Placement Services, Osmania University,Hyderabad, India
- 50 Participated in "Two days workshop on Innovation: A key to Intellectual Property Rights” organized by IQAC, Nizam College and iBioSciences Private Limited, Osmania University, Hyderabad. (11th-12th December, 2017).
- 51 Participated in a Five Days Workshop on “SOFT SKILLS” (Sponsored by UGC) held during September 11<sup>th</sup> – 15<sup>th</sup>, 2017, organized by Directorate of Placement Services, Osmania University, Hyderabad, India
- 52 Presented a research paper titled “Synthesis, Characterization and In vitro cytotoxic studies of Metal complexes derived from Isoxazole Schiff base” at A Two Day National Conference on Biodiversity and Human Health” held during 17th – 18th November, 2017, Organized by Department of Botany, Nizam College, Osmania University, Hyderabad, Telangana State.

- 53 Presented a research paper titled "Design, Synthesis and Biological Evaluation of Piplartine Derivatives", at National Conference on Innovations in Chemical and Pharmaceutical Sciences" held during 14<sup>th</sup> – 15<sup>th</sup> February, 2018, organized by Department of Pharmaceutical Chemistry, Telangana University, Dichpally, Nizamabad, Telangana State, India.
- 54 Participated in the Awareness Program on Enterprise Development for African Students – Don't Hunt for the Job, Be your own Boss, organized by All India Management Association in collaboration with Ministry of External Affairs on February 15<sup>th</sup>, 2018 at Nizam College, Osmania University, Hyderabad, India
- 55 Presented a research paper titled "Synthesis, Characterization and Biological Activity of Triazole Based Azomethine Metal Complexes" in the second National Conference on Recent Advances in Applied Nanomaterials held during 16<sup>th</sup> – 17<sup>th</sup> February, 2018, organized by Department of Physics, University College of Science, Saifabad, Osmania University, Hyderabad, Telangana State, India.
- 56 Participated in a Symposium on "EDUCATE AND ENCOURAGE" held on 5<sup>th</sup> March 2018, Sponsored by center for Women's Studies, Osmania University, organized jointly by the Women Empowerment Cell & Training and Placement Cell, Nizam College, Osmania University, Hyderabad, India
- 57 Participated in "One Day Seminar on Challenges and Recent Trends in Chemistry" organized by Department of Chemistry, Osmania University, Hyderabad, Telangana State. (31<sup>st</sup> August, 2018)
- 58 Poster presentation entitled "Synthesis, Characterization and In vitro Cytotoxic Activity of New Isoaxazole Based Schiff base Binary Metal Complexes" –Two days National Conference on Impact of Biochemistry in Interdisciplinary Research (NCB-IR 2018) organized by Department of Biochemistry, Osmania University, Hyderabad (17<sup>th</sup> -18<sup>th</sup> September, 2018).
- 59 Participated in "3-Day Workshop on "Molecular Modeling Using Open Source Software" organized by Department of Chemistry, Osmania University, Hyderabad, Telangana State. (29<sup>th</sup> – 31<sup>st</sup> October, 2018)
- 60 Poster presentation entitled "Positive Charged Magnetic Nano Particles as an Efficient Mouth Cleaners" in Inorganic Section-37<sup>th</sup> Annual National Conference of Indian Council of Chemists held at National Institute of Technology Karnataka, Surathkal, Mangalore, Karnataka on 12<sup>th</sup>-14<sup>th</sup> December, 2018.
- 61 Attended as Resource Person to deliver a lecture in "Two Day National Seminar on Synthetic Methodology and Modern Approaches in Chemical Science & Technology, January 29 – 30, 2019, organized by Department of Chemistry, GDC, Sadasivpet
- 62 Poster presentation entitled "Oxadiazolo-Phenanthrene Derivatives: Synthesis, Characterization and Antitumor Activity" National Seminar on "Current Issues & Challenges in Chemical Research" on 18<sup>th</sup> & 19<sup>th</sup> March-2019 organized by the Department of Chemistry, University Arts & Science College (Autonomous), Kakatiya University, Warangal. Telangana State.
- 63 Poster presentation entitled "Synthesis, Characterization and In vitro Cytotoxic Activity of New Isoaxazole Based Schiff base Binary Metal Complexes" UGC Sponsored Two Day National Seminar on "Advances In Chemical Research (ACR-19)" on 29<sup>th</sup> & 30<sup>th</sup> March-2019 organized by the Department of Chemistry, Kakatiya University, Warangal. Telangana State, India
- 64 Poster presentation entitled "In situ FTIR spectroscopic monitoring of the formation of the arene diazonium salts and its applications to Heck-Matsuda reaction" Two day National Seminar on "Nature Inspired Initiatives in Chemical Sciences (NIICS-2019)" on 04-05<sup>th</sup> November 2019 organized by Department of chemistry, South campus, Bhiknur, Telangana University

- 65 Poster presentation entitled “Separation and Identification of Candida Species by LC-SPA-MS/MS” Two-Day National Conference on “Current Status and Future Prospects of Biotechnology” on 15th-16th November 2019, Organized by Department of Biotechnology, Nizam College, Basheerbagh, Hyderabad.
- 66 Presented a research paper titled “Synthesis, Characterization, and Antibacterial Studies of Co (II), Ni (II), Cu (II) and Zn (II) Schiff base Metal Complexes” One Day National seminar on “Recent Advances in Chemical Science” (RACS-2020) sponsored by RUSA & TSCHE, organized by Department of Chemistry, Govt. Degree College (Co-Ed.), Wanaparthy on 11<sup>th</sup> January 2020.
- 67 Presented a research paper titled “Cobalt (II), Nickel (II), Copper (II) and Zinc (II) Complexes of New (E)-4-((quinolin-8-ylimino) methyl) benzene-1,2,3-triol Synthesis, Spectroscopic, and Antibacterial Studies” in National Seminar on “Emerging Trends in Nanochemistry” conducted by Department of Chemistry, Keshav Memorial Institute of Commerce and Sciences in collaboration with TSCHE, Hyderabad on 14<sup>th</sup> February 2020.
- 68 Presented ORAL a research paper titled “Summary of Method Development Report for the Determination of Related Compounds in Perampanel (PMP) By HPLC” in a two-day National Seminar on “PERCEPT-2020” organized by Department of Pharmacy, University College of Technology, Osmania University, TS on 13<sup>th</sup> and 14<sup>th</sup> March, 2020.
- 69 Participated in online COVID-19 quiz Conducted by Department of Biotechnology, Nizam College, Osmania University, Hyderabad, Telangana.
- 70 Participated in the quiz designed by Department of Chemistry, J. M. Patel Arts, Commerce & Science College, Bhandara (M.S.)-441904 to test the awareness staff, students regarding Covid-19
- 71 Participated and qualified in “COVID 19 Awareness E-Quiz” Conducted by P.G & Research Department of Microbiology, D.G.Vaishnav College, Chennai.
- 72 Completed online Quiz on “Awareness on Covid-19” conducted by Department of Botany, Government Degree College, Yeleswaram, East Godavari Dist. A.P., India
- 73 Participated and successfully completed online COVID-19 Awareness Quiz on 5/16/2020, organized by Maharishi Markandeshwar (Deemed to be University), Mullana, Haryana
- 74 Participated in the online “Chemistry Quiz on COVID-19” conducted in May 2020 organized by the Department of Pharmaceutical Chemistry, ARIBAS (Score:100/100)
- 75 Participated in One Day National Webinar entitled “Impact of SARS - CoV - 2 on Human Life: Preparedness for the PANDEMIC (COVID-19)”, Organized by Department of Zoology, Government Degree College, Ravulapalem, East Godavari, A.P – 533238, through Zoom video conferencing App held on 11 May 2020.
- 76 Participated in One Day National Webinar on Chemistry Against Covid-19 held on 14<sup>th</sup> May 2020, hosted by Little Flower Degree College, Uppal, Hyderabad, Telangana, India
- 77 Participated in the National Webinar on “Material Science” organized by the Department of Chemistry, St. Paul’s College, Kalamassery, Kerala on 17th May 2020
- 78 Participated in the National Online Workshop on “ICT BASED TEACHING IN CHEMISTRY” 18th May 2020, Organized by Department of Chemistry, Kasturba Gandhi Degree & PG College for Women West Marredpally, Secunderabad (Sponsored & Managed Jointly by the Osmania Graduates’ Association and The Exhibition Society, Hyderabad)
- 79 Participated in the VIRTUOSA 2020 National webinar series organized by the IQAC, KSMD College Sasthamcotta, Kollam, Kerala from 14 to 20 May 2020

- 80 Participated in the webinar formulated by MIT world peace university on “Search Engines and Meta Search Engines” by Dr.Vivekavardhan held on 15th May 2020
- 81 Participated in the “National Faculty Development Program” hosted by Little Flower Degree College, Uppal, Hyderabad, Telangana, organized by Department of Chemistry, on May 19, 2020
- 82 Participated in the Webinar, Energy, Energy Everywhere, How to harness it? Organized by the Department of Chemistry, V.O.Chidambaram College, Thoothukudi, on 21.05.2020.
- 83 Successfully completed the National Level online Quiz on “Macromolecules and Surfactants” organized by the Department of Chemistry and Research Centre, Nanjil Catholic College of Arts and Science, Kaliyakkavilai, Kanyakumari District, on 22/05/2020, by scoring 100% marks
- 84 Participated in the National Level Webinar on “NMR and Structural Interpretation” organized by the Department of Chemistry, St. Paul’s College, Kalamassery on 21st May 2020.
- 85 Participated in webinar on “PROSPECTIVE OF NANOSCIENCE IN CURRENT SCENARIO” on 22nd May 2020 organized by Department of Biotechnology, AVIT, Paiyanoor, Chennai, Tamilnadu, India
- 86 Attended webinar on “Emotional Well- being”, organized by Department of Chemistry, St. Xavier’s College, Thumba on May 24, 2020
- 87 Participated in Webinar on " Electroanalytical Techniques for Water Splitting: Dos and Don'ts” organized by Department of Physics, Saveetha Engineering College, Chennai- 602105. India, on 27<sup>th</sup> May 2020.
- 88 Attended Two Day National Webinar on “TECHNO SCIENCE – 2020” organized by the Department of M.Sc. Organic Chemistry, Loyola Academy, Old Alwal, Secunderabad from 27th - 28th May 2020.
- 89 Participated in National Webinar on "An Intellectual property rights and behavioural safety" organized by Department of Chemistry, GDC, Sadasivpet, Telangana on 30/05/2020.
- 90 Participated in the "Webinar Lecture Series on Modern Physics and Materials Science" organized by Department of Physics, Govt Holkar Science College, Indore, held from 26th to 30th May 2020 (e-Certificate Id : WLS-MPMS0052)
- 91 Attended the Webinar titled “Laboratory Safety Practices” held on 31st May 2020, hosted by Department of Chemistry, SIES College of Arts, Science and Commerce (Autonomous), Sion (West), Mumbai – 400 022
- 92 Participated in the Webinar Graphene based Nanocomposites for Energy Storage organized by the Department of Physics, V.O.Chidambaram College on 01.06.2020
- 93 Participated in the “National Level Webinar On Applications Of Nanotechnology”, organized by the Department of Physics, DKM College for Women (Autonomous), Vellore on 4th June 2020. We appreciate his/her valuable participation in enriching the event.
- 94 Participated in National Webinar on “A Journey to Drug Discovery: Computational Chemistry Approach”, organized by Department of Science and Humanities (Chemistry), TJS Engineering College on 27.06.2020
- 95 Participated in the National level Online E-Quiz on SPECTROSCOPY during 03 to 06 July 2020, organized by Department of Chemistry (PG), Government Degree & PG College (A) Siddipet, Telangana State.
- 96 Participated in Webinar on "Computational Chemistry: A Modern Chemist's Tool" organized by Department of Basic Sciences and Humanities and ACS student chapter of K.J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai, on 23th July 2020.



- 97 Participated in one day Webinar on "Role of Chemist Chemist in COVID-19 Pandemic Pandemic: An Interactive Interactive Session Session with the Distinguished Alumni of Chemistry" conducted by Department of Chemistry, University College of Science, Osmania University, Hyderabad held on 1<sup>st</sup> August, 2020.
- 98 Participated in the Two-Day National Webinar on "Online Teaching Tools for the Faculty: Live Sessions" on 5<sup>th</sup> and 6<sup>th</sup> August 2020, organized by the Department of Chemistry, University College of Science, Osmania University, Hyderabad, Telangana State.
- 99 Participated in the Webinar on "Enantiospecific Total Synthesis of Macrolactone Natural Products form Chiral Furyl Carbinols " organized by the Department of Chemistry, University College of Science, Saifabad, Osmania University, Hyderabad, Telangana on 21<sup>st</sup> August, 2020.
- 100 Presented a paper entitled "Synthesis and Characterization of Oxo Zirconium (IV) Complexes of Polydentate Ligands "National Conference on Physics and Chemistry of Materials (NCPCM2020) during 14<sup>th</sup>- -16<sup>th</sup> December, 2020 organized by Department of Physics, Government Holkar (Model, Autonomous) Science College, Indore (M.P.), INDIA. Received the **Best Paper Award** at NCPCM2020
- 101 Presented a paper entitled "Novel Synthesis of Oxindolyl Derivatives from Isatins and Propiolates through DIBAL-H", at Two Day National Seminar on "Emerging Trends in Chemical and Materials Science Research" (ETCMSR-2022), On 25<sup>th</sup> and 26<sup>th</sup> February 2022, organized by Department of Chemistry, SR & BGNR Govt. Arts & Science College, Khammam-507001
- 102 Presented a Paper titled "Functionalized Iron Oxide Nanoparticles as Microplastic Adsorbents" in a Two-Day National Conference on Recent Innovations in Smart/Nano Materials (NCRISNM-2022) organized by Department of Physics, University College of Science, Osmania University, Hyderabad, Telangana, from 29<sup>th</sup> to 30<sup>th</sup> April 2022
- 103 Presented a Paper titled "Development and Validation of RP-HPLC method in Simultaneous Estimation of Bilastine and Montelukast as tablet dosage form, in a AU- Pharmacon – 2022, 6<sup>th</sup> National Conference on Trending Research and Innovations in Pharmaceutical Sciences, organized by School of Pharmacy, Anurag University, Hyderabad, Telangana, from 22<sup>nd</sup> & 23<sup>rd</sup> July 2022
- 104 Presented a Paper titled "Quantitative Determination of Imipramine HCl & its Pharmaceutical Formulation Using FTIR & UV-Vis Spectroscopy" in an Emerging Trends and Innovations in Pharmaceutical Sciences (ETIPS - 2022) organized by University College of Pharmaceutical Science, Palamuru University, Mahabubnagar, Telangana, from 13<sup>th</sup> & 14<sup>th</sup> Oct 2022
- 105 Presented a Paper titled "Design, Synthesis & Biological Evaluation of Some New 1,3,4 Oxadiazoles" in a National Seminar on Bioinorganic & Medicinal Chemistry (BMC-2022) organized by Department of Chemistry, University College, Telangana University, Nizamabad, Telangana, from 29<sup>th</sup> & 30<sup>th</sup> November 2022

## ADMINISTRATIVE EXPERIENCE:

### Human Capital Development Centre (HCDC), Coordinator (From November 2021 to till date)

- **As HCDC Coordinator** - A Mega Job Fair in collaboration with Nipuna Sewa NGO was conducted for all disciplines for under graduates and post graduates on 15<sup>th</sup> & 16<sup>th</sup> October, 2022 at Arts College and Engineering College.
- HCDC facilitated a Campus Recruitment Drive for various companies like Tutoroot, Genpact, Globe Ground India, WIPRO, Episource, TCS, Sri Chaitanya School, CAPITAL IQ, Escentia Biopharma, RYAN, LEE Pharma Ltd, BIOLOGICAL-E, Maithri Drugs, AVRA Laboratories GVK Bio, Hetero Drugs, Symed labs, Sai Life Sciences MSN Labs and Millenium Group, Syngene, Aakash Byju's, SSV Creative Labs Ji – Tech Pvt. Ltd Phonepe (PINCODE APP), Aragen Life Sciences, Urban Company etc.
- Resrach Skill Series -1 was conducted on July 31 on "Strategies for effective search & use of information resources" at e- Classroom, CFRD Building



- A One Day Workshop on Role of the Print and Electronic Media for Science Popularization in AP and Telangana was conducted on September 23, 2022 in collaboration with NIT Warangal.
- A Two-Day Regional Workshop on \*Role of the Print and Electronic Media for Science Popularization in Telugu States\* on 4th & 5th November, 2022, organized by \*SCoPE Telugu, NIT Warangal in collaboration with Department of Journalism and Mass Communication & HCDC, Osmania University at e- Classroom, CFRD Building, OU
- A Research Skill Series – 2 was conducted by Human capital Development Centre, OU in collaboration Bharat Ratna Dr. B. R. Ambedkar Memorial Library On 11<sup>th</sup> November 2022, “Use of Web of Science and EndNote in Research” at e- Classroom, CFRD Building, OU
- HCDC conducted a three-day workshop Research Skill Series – 3 during 21.11.22-23.11.22 on diverse aspects in “Thesis Writing” for Research Scholars at e- Classroom, HCDC Office, CFRD Building, OU
- A Free Orientation Program on "Data Analytics by Excelytics" was conducted by HCDC in collaboration with Osmania Technology Business Incubator at e- Classroom, HCDC Office, CFRD Building, OU on 16<sup>th</sup> December, 2022
- Human Capital Development Centre organized a 10-day free orientation program on IELTS. The resource person was a foreigner from 27<sup>th</sup> January, 2023
- HCDC, OU organized a 3 –day free Research Skill Series Program on “Synopsis Writing” for all Ph. D aspirants from 6 -8<sup>th</sup> February, 2023.
- HCDC organized fifteen-day (15) Job Entry Targeted System (JETS) on February 8, 2023 for Final year students of UG & PG @ Osmania University
- A National Conference was held by Dept. of Bio- Medical engineering in collaboration with Human Capital Development Centre (HCDC), OU on “Emerging Trends in Medical Device Regulations” was organized at Dept. of Bio-Medical Engineering, OU on February 25<sup>th</sup>, 2023.
- Human Capital Development Centre and Nizam College have jointly organized fifteen-day (15) Job Entry Targeted System (JETS) Batch II on March13, 2023 for Final year students of UG & PG.
- HCDC has organized a workshop on "Visual Content verification and Fact Check" by Mr. U. Sudhakar Reddy, Editor – Investigations, Times of India on 27<sup>th</sup> February 2023 at e-Classroom, HCDC Office
- HCDC organized a workshop on "Digital Toxicity and Digital Wellness Skills" on March 1, 2023 at e-Classroom, HCDC Office, OU
- Bharat Ratna Dr. B. R. Ambedkar Memorial Library in collaboration with HCDC have conducted a three-day training program on “Reskilling the Library Profreeionals in Digital Era: with special reference to Library Assistants” during 15<sup>th</sup> -17<sup>th</sup> March, 2023.
- HCDC in collaboration with O.Y.S.T.E.R. – NGO has organized a Capacity Building Program for Edu Volunteers today at e-Classroom, HCDC Office, CFRD Building, OU on 18<sup>th</sup> March, 2023.
- HCDC and Directorate of Information Technology & Electronics Communications OU jointly organized a workshop on “Smart Techniques on Thesis Writing” March, 2023 at e-Classroom, HCDC, OU
- HCDC, OU organised a workshop on "Exploring skills for in-depth Analysis of Materials in Research and Manufacturing" by Dr. Ashish C. Gandhi, Department of Electrical Engineering, NTHU, Taiwan on 15<sup>th</sup> May 2023 at e-classroom of CFRD Building, OU
- Human Capital Development Centre (HCDC), OU organized a four-day training program for UGC NET Aspirants on Paper - I from June 6-9, 2023
- HCDC, OU conducted a One Week free training session on "Using Statistical Tests for Research" from June 21 to June 26, 2023, at e- Classroom, HCDC, OU
- Bharat Ratna Dr. B. R. Ambedkar Memorial Library and Human Capital Development Centre (HCDC), Osmania University organized a half a day training program on “User Awareness Workshop on use of Turnitin Anti – Plagiarism Software” on September 6, 2023 at e – Classroom, HCDC Office, OU Campus.
- HCDC has organized a meet of Training& Placement officers on 12 th October, 2023 at e – Classroom, HCDC Office, OU Campus.
- University Library has organized the 78th UN Day Celebrations-2023 in association with HCDC, OU on Saturday, 28th October 2023 at e-class Room, HCDC, OU
- HCDC in collaboration with IIT Kharagpur Alumni Hyderabad Chapter organized a workshop on “Industrial Applications of Artificial Intelligence/Machine Learning” on 4<sup>th</sup>

- November, 2023 at e – Classroom, HCDC Office, CFRD Building.
- HCDC has organized a free training program for UGC NET Aspirants on Paper – I from 16th to 25th November, 2023, HCDC Office, OU.
  - HCDC has organized a Free Training Program on “INTERVIEW PREPARATION” for Post Graduate Students from 11th to 15th December, 2023 at e- Classroom, HCDC Office, CFRD Building, OU
  - HCDC has organized a Free Training Program on “INTERVIEW PREPARATION” for Post Graduate Students from 18th – 22nd December, 2023 at e- Classroom, HCDC Office, CFRD Building, OU
  - HCDC has organized a Free Five-Day Campus Recruitment Training Program for Post Graduate Students from 2nd – 6th January, 2024 at e- Classroom, HCDC Office, CFRD Building, OU
  - HCDC has kickstarted Free 5 Day Training Program on “Osmania University Research Skills” (OURS)” Series – 1 for Ph. D Scholars of Osmania University from 29th January, 2024 to 2nd February, 2024 at e- Classroom, CFRD Building, OU Campus.
  - HCDC has organized a Free Five-Day Campus Recruitment Training Program on “Enriching Employability Skills” for PG Students from 29<sup>th</sup> January to 2<sup>nd</sup> February, 2024 at e- Classroom, HCDC Office, CFRD Building, OU Campus
  - HCDC has inaugurated the Free 5 Day Training Program on “Osmania University Research Skills (OURS) Series – 2 for Ph. D Scholars from 12th February, 2024 to 16th February, 2024 at e- Classroom, HCDC Office, CFRD Building, OU Campus.
  - HCDC has inaugurated the 45-hour Free Training Program on “Soft Skills” on 14th February, 2024.
  - HCDC has inaugurated the Free 5 Day Training Program on “Osmania University Research Skills (OURS) Series – 3 for Ph. D Scholars of OU from 19th February, 2024 to 23rd February, 2024 at e- Classroom, HCDC Office, CFRD Building, OU Campus
  - HCDC has inaugurated the Free 5 Day Training Program on “Osmania University Research Skills (OURS) Series – 4” - “Workshop on SPSS” for Ph. D Scholars of OU from 26th February to 2nd March, 2024 at Department of Commerce, UCCBM, OU.
  - HCDC has organized a Free Five-Day Campus Recruitment Training Program on “Quantitative Aptitude & Logical Reasoning” for PG Students from 26th February, 2024 to 1st March, 2024 at e- Classroom, HCDC Office, CFRD Building, OU Campus

### **Placement Officer (From August 2014 to July 2019)**

- As Placement Officer organized the placement programs and 500 undergraduate students and 300 post graduates students were selected by the various companies like Genpact, WIPRO, TCS, CAPITAL IQ, RYAN, BIOLOGICAL-E, AVRA Laboratories GVK Bio, Hetero Drugs, Symed labs, Sai Life Sciences MSN Labs and Millenium Group. These companies carry the reputation of being very selective in their choice of campuses and of having extremely high standers in their recruitment process.
- Also conducted workshop and training program on Skill Development in collaboration with OYSTER.
- Seminars were also conducted on Soft Skills and Personality Development topics
- Serving as a Coordinator between Chemical industries like Dr.Reddy’s Labs, GVK, Hetero, Symed labs, Sai Life Sciences, Essentia Bio Pharma, Vishnu Chemicals, Matrix, Asian Paints, etc. and Department of Chemistry for Campus placements for the past 6 years.

### **Controller of Examination, COE (From October 23, 2018 to February 7, 2020)**

- **Achievements**
  - Started Spot Valuation at Nizam College for the first time in 2018
  - Online entry of Internals & Practical marks also has started first time.
  - Declared the Results within 7 Working Days from the last date of Examinations.
  - Completed automation of Examination Branch/System
  - Started INSTANT Examination for all VI-SEM failed students from April-2019 onwards (approved by Academic Council and Governing Body)
  - Started online Certificate Verification to the Indian and foreign students/companies.
  - Security Features of Memorandum of Marks improved

## EXPERIMENTAL & INSTRUMENTAL KNOWLEDGE

- Able to interpret  $^1\text{H}$ ,  $^{13}\text{C}$ ,  $^{31}\text{P}$  NMR & Mass Spectra and Elemental Analysis data.
- UV-Visible & IR Spectrophotometers, HPLC, MALDI Mass Spectrometer, ESI Mass Spectrometer (LC-MS, LC-MS/MS), TGA, DSC, Potentiometer, Conductometer, pH meter, Polarimeter

## PERSONAL PROFILE

- Name in Full : **Dr. P. Muralidhar Reddy**
- Father's Name : P. Rami Reddy
- Date of Birth : 16-04-1977
- Languages : English, Telugu.
- Marital Status : Married
- Activities :
  1. Runner up of the ball badminton, Inter Departmental Tournaments, KU in 1999-2000.
  2. Service Rendered in Pulse Polio Immunization Programme conducted by Rotary Club, in 1995-'96 & 1996-'97, Khammam.
  3. Participated in Blood Donation Camp organized by Nehru Yuvakendra Sangathan, Warangal.
  4. Participated in Blood Donation Camp Organized by The Director Aids Control Project, Govt. of A.P., Hyderabad.
  5. Runner up of the softball game, Inter Departmental Tournaments, National Dong Hwa University (NDHU) in 2010-2011, Taiwan.

## DECLARATION

- I hereby declare that all the information furnished in this Curriculum Vita is true and correct to the best of my knowledge and belief.



**(P. Muralidhar Reddy)**