



Curriculum Vitae (CV) Of

Dr. Mekkanti Manasa Rekha Pharm.D, RPh, (Ph.D.), APGDCR, AIPSD, FSASS, FSAB, LM-APTI, Associate Professor, Academic Research Scientist, Research Consultant and

Brief Biography

Dr. Mekkanti Manasa Rekha Pharm.D, RPh, (Ph.D.), APGDCR, FSASS, FSAB, LM-APTI Awarded with various "PRESTIGIOUS SCIENTIST AWARDS" by various Scientific Research Councils and Working as Professional Life Member in various Research councils across world-wide Completed PHARM.D and Topper and Gold Medallist during Pharm.D course study (2011-2017 Batch) at Annamacharya College of Pharmacy and Participated 120 National, International Conferences, U.G.C sponsored Workshops, Webinars, Essay Competitions, Science Fares and Quiz Competitions ,Talent search examinations and Achieved 102 prizes & 25 Patents and have Published 200 Research and Review papers in various National and International Journals with good impact factors in which few are under review and got 12 Best Speaker Awards in World Scientific Congresses very much interested in Research and Drug Discovery. Written 20 books/book Chapters and selected and working as an Editor, Associate Editor, Chief Advisory Board Member, Peer Reviewer, Reviewer for 52 reputed National and International Journals with good impact factors. Worked for more than 78 Research Projects and Guided many Research works and currently guiding Pharm.D, B. Pharm and M. Pharm Research works. Worked as Chief Biological Scientist in Animal Ethics Committee Chief Member of Human Ethics Committees.

Academic & Research Goals

My desire to contribute significant discoveries and advance knowledge in my profession motivates my academic and research goals. I'm dedicated to working with distinguished professionals, mentoring ambitious scholars, and carrying out cutting-edge research that tackles urgent issues. My objectives are to consistently broaden my area of knowledge, produce influential work, and use research and teaching to support the academic community. My goal is to work on multidisciplinary initiatives that encourage creativity and offer answers to pressing issues.

Area of Expertise / Research Interest

Clinical Trials Infectious Diseases, Genetics and Cancer Biology, Drug Discovery and Development new molecular identity Drug Repurposing, Biomedical Research with Underlying Disease Mechanism, Pharmacological and Toxicological Studies, Pharmaco-Genomics, Pharmaco Epidemiology, Pharmaco-Economics, Epi-Genetic studies. Clinical Pharmaco-Kinetics, Pharma metrics, Operational Research, Pharmaco- Dynamics, Therapeutic Drug Monitoring.

Contact Details

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Course	Institution	University /Board	Year of Completion	%Marks
DOCTOR OF PHARMACY	ANNAMACHARYA COLLEGE OF PHARMACY, RAJAMPET, Y.S.RKADAPA,A.P,INDIA	JAWAHARLALNEHRUTECHNOLOGYUNIVERSITY, ANANTHAPUR,A.P,INDIA.	2017	87.33 GOLD MEDALIST
REGISTERD PHARMACIST	PHARMACY COUNCIL OF INDIA	PHARMACYCOUNCIL OF INDIA	2017	PCI NUMBER 1225
DOCTOR OF PHILOSOPHY [Ph.D.]	CURRENTLY PERSUING AT MS. RAMAIAH UNIVERSITY OF APPLIED SCIENCES, BAN GALORE, KARNATAKA, INDIA.	MS. RAMAIAH UNIVERSITY OF APPLIED SCIENCES, BAN GALORE, KARNATAKA, INDIA.	2025	2025
ADVANCED POST GRADUATE DIPLOMO IN CLINICAL RESEARCH (APGDCR) CLINICAL RESEARCH&MANAGEMENT ,MEDICAL WRITING,REGULATORY AFFAIRS,PHARMACOVIGILANCE,CLINICAL DATA MANAGEMENT ,CLINICAL SAS,ENTREPRE	ORANGE INNOVATIONS	ISO CERTIFIED REG NO- 24OIA764 COURSE COMPLETION AUGUST 2024	2024	2024COMPLETED WITH 100 PERCENT CREDENTIALS

NEURSHIP AND RESEARCH &DEVELOPMEN NT				
ADVANCED POST GRADUATE DIPLOMA IN CLINICAL RESEARCH (APGDCR) O'RANGE Innovations (ISO Certified / Reg. No: 240IA764)	ORANGE INNOVATIONS	ISO CERTIFIED REG NO- ISO Certified (Reg. No: 240IA764)	2024	2024COMPLE TED WITH 100 PERCENT CREDENTIALS
INTERMEDI ATE /PUC (+11&12)	SRI SAI CHAITANYA JUNIOR COLLEGE, TIRUPATHI, A.P,INDIA.	BOARD OF INTERMEDIATE EDUCATION ,A.P,INDIA.	2010	82. 4% (Distinction)
SSC	SRI CHAKRA HIGH SCHOOL, RAYACHOTY,Y.S. RKA DAPA,A.P	BOARD OF SECONDARY EDUCATION ,A.P,INDIA.	2008	89.12% (TOWNTOP PER)

Teaching Experience

Position	Institution	Duration
Assistant Professor	Sri Siva College Of Nursing, Masapet, Rayachoty, Y.S.R Kadapa District, Andhra Pradesh, India	11 th July 2017 to August 1 st 2018 (1 Year)
Assistant Professor& Associate Professor	Gautham College of Pharmacy, RT Nagar, Bangalore, Karnataka India	28 th August 2018 to 3 rd June 2023 (5 Years)

Associate Professor	Aditya Bangalore Institute of Pharmacy Education and Research Bangalore, Karnataka India	25th JUNE 2023 to till Date (2 YEARS)
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Experience

Academic Research Scientist – Consultant & Advisor

BIOSPECIMEN SOLUTION PRIVATE LIMITED, Bengaluru, India

August 2023 – Present

Key Responsibilities & Achievements:

- Conducted feasibility studies for clinical trials by analysing protocols and evaluating investigator feedback
- Coordinated with internal teams and clients to assess site suitability and study requirements
- Developed and maintained a dynamic investigator database, ensuring up-to-date clinical site information
- Engaged with potential investigators to secure confidentiality agreements and gauge study feasibility
- Managed documentation including feasibility reports, questionnaires, contact logs, and telephonic contact reports
- Proactively identified new clinical trial sites across therapeutic areas; performed site visits and evaluations
- Fostered strong site relationships to support clinical operations and study execution.
- Collaborated with cross-functional teams to resolve operational challenges and enhance process efficiencies
- Stayed updated with global clinical research trends, regulatory guidelines, and industry practices

Part-time Hospital Working Clinical Experience

RECEIVED ONE YEAR CLINICAL PHARMACIST EXPERIENCE LETTER DURING INTERNSHIP PERIOD FROM HOSPITAL NAMED NISSAR CHILDRENS HOSPITAL, RAYACHOTY, KADAPA DISTRICT, ANDHRA PRADESH, INDIA.

Awards

1. Awarded with **Young Scientist Award** by European Excellence Awards presentation & Convocation November 2023 by European Council for Higher Education and Accreditation, United Kingdom Approved by Government of India / UNESCO & United Nations Organization (UNHCR, UNICEF, WFP & UNFPA) Approved / 5 Star Grade Certified / ANAHEI, USA Registered / ISO 9001:2015 Certified / UNGM, IAENG, ICSES, IEOM, DKIRF, ITPA, NSTA, SDIWC, EIAR, GIPERC, IHRSJF, GEA, VWR, SERF, SRDC, IBHE, ICHEI & ICPE Approved / UNDESA Approved / Approved by Republic of Nigeria / Quality Control Certified / Accredited by SMCRAC, Australia / Accredited by IACRD USA / Accredited by CIU, USA / Accredited by CPD Group, UK / Accredited by ACHEC, West Africa.
2. Awarded with **Albert Einstein Research Scientist Award** by International American Council for Research and Development Approved by Government of India / UNESCO & United Nations Organization (UNHCR, UNICEF, WFP & UNFPA) Approved / 5 Star Grade Certified / ANAHEI, USA Registered / ISO 9001:2015 Certified / UNGM, IAENG, ICSES, IEOM, DKIRF, ITPA, NSTA, SDIWC, EIAR, GIPERC, IHRSJF, GEA, VWR, SERF, SRDC, IBHE, ICHEI & ICPE Approved / UNDESA Approved / Approved by Republic of Nigeria / Quality Control Certified / Accredited by SMCRAC, Australia / Accredited by ECHEA, UK / Accredited by CIU, USA / Accredited by CPD Group, UK / Accredited by ACHEC, West Africa.
3. Awarded with **Young Scientist Award** for the Saint Martin's Centre of Research & Accreditation Commission, Melbourne, Australia - International Excellence Awards Convocation 2023 Approved by Government of India / UNESCO & United Nations Organization (UNHCR, UNICEF, WFP & UNFPA) Approved / 5 Star Grade Certified / ANAHEI, USA Registered / ISO 9001:2015 Certified / UNGM, IAENG, ICSES, IEOM, DKIRF, ITPA, NSTA, SDIWC, EIAR, GIPERC, IHRSJF, GEA, VWR, SERF, SRDC, IBHE, ICHEI & ICPE Approved / UNDESA Approved / Approved by Republic of Nigeria / Quality Control Certified / Accredited by ECHEA, UK / Accredited by CIU, USA / Accredited by CPD Group, UK / Accredited by ACHEC, West Africa.

Awards

4. Awarded with **IRSD Distinguished Young Scientist Award 2024** 13th International Conference on Interdisciplinary Research for Sustainable Development 2024 (IRSD 2024) Organized by Green ThinkerZ & I2OR in association with Jamia Hamdard, New Delhi; Western Sydney University, Australia and Wakelet - Manchester UK and IIT Bombay Spoken Tutorial on 30th MAY, 2024 at Jamia Hamdard, New Delhi. (Virtual Mode).
5. Awarded with **Young Scientist Award** 12 World Conference on Pharmaceutical Science and Drug Manufacturing (Scopus indexed) for Outstanding Contributions are recognized by the Committee at the "12 World Conference on Pharmaceutical Science and Drug Manufacturing "Organized by Association of Pharmaceutical Research (APR) in Association with Sri Adichunchanagiri College of Pharmacy, Adichunchanagiri University, Karnataka, India on 19th and 20th September 2024 at Goa, India.
6. Awarded with **Young Scientist Award** at 3RD PHARMA SUMMIT DRUG DISCOVERY & COMMUNITY TRIAL organized by Association of Pharmaceutical Research, Bio-LEAGUES UNITED Innovators held on 27th & 28th March 2024.Bali, Indonesia. (both offline physical and Virtual Modes)
7. Awarded with **IMRF National Young Scientist Award** Pharmaceutical Sciences 'National Research Excellence Awards 2024' being conferred on April 26th, 2024 online in the National Seminar on Integrated Approach in Research & Development for Sustainable Future International symposium on world intellectual property 2026. (Virtual Mode).
8. Awarded **with Iconic Young Scientist Award** in Pharmaceutical Sciences-2024 in International Conference on Advances in Medical Science, Engineering and Management 2024 organized by NEWRAINS CHENNAI, Samarkand state university Uzbekistan Association with Indian Universities.
9. Awarded with **Young Scientist Award** International Conference on Gynaecology and Obstetrics which is going to be held on 27-Apr- 2024 (Virtual Mode)

Awards

10. Awarded with **Iconic Young Scientist Award in Pharmaceutical Sciences-2024** in International conference on Advances in Medical Science, Engineering and Management 2024 organized by NEWRAINS CHENNAI, Samarkand state university Uzbekistan Association with Indian Universities.
11. Awarded with "**Universal Young Scientist Award**" JUNE25TH2022 by International American Council for Research and Development leading Research organization in India& Abroad [IARCD Indian Chapter is approved with GOVT of India/ UNESCO &United nations organization UNHCR,U NICEF, WFP& UNFPA, Approved/ 5Star graded certificate/association of north American higher education international(ANHEI),USARAEGSITER ED /ISO 9001: 2015 Certified /UNGM, IAENG,ICSES,IEOM,IARCD,ITPA,NS TA, SMCRAc, EIAR, GIPERC, IHRSJF, GEA, VWR,SERF& SRDC Approved/ UNDESA Approved/Quality control certified/Accredited by CPD group UK.
12. Awarded with **Isaac Newton Research Scientist Award** by European Excellence Awards Presentation& Convocation2023 from European Council for Higher Education and Accreditation, United Kingdom Indian Chapter is Approved with GOVT of India/ UNESCO &United nations organization UNHCR, UNICEF, WFP& UNFPA, Approved/5Star graded certificate/association of north American higher education international(ANHEI), USA REGSITERED/ ISO 9001: 2015Certified/ UNGM,IAENG,ICSES ,IEOM, IARCD, ITPA, NSTA, SMCRAc, EIAR, GIPERC, IHRSJF,GEA,VWR,SERF&SRDCApproved/UNDESAApproved/Qualitycontrolcertified/Accredited by CPD group UK.
13. Awarded with "**Best Scientist Award**" by International academic excellence awards 2020 IMRF leading Research organization in India & Abroad [REGD with GOVT of India NITI AAYOG., GOVT of A.P., MHRD NISCAIR., ISSN &ISBN REGD and Certified by IIM Australia, DRPF Macedonia, IIST Malaysia, IMRF Thailand, RPMRES India &other International Reputed Organizations] Profile Submission ID:MA011Ain2020.
14. Awarded with "**Best Scientist Award - 2023**" ON AUGUST 13TH 2023BYINDIAN ACADEMIC RESEARCHERS ASSOCIATION (An ISO Certified Association Registered under Trust Act & NGO DARPAR (TN/2021/0298313), NITI Aayog, MSME Udyam Reg. No. UDYAM-TN-27-

Awards

15. Awarded with **Louis Pasteur Young Scientist Award** during International conference on innovative research and development (ICIRD-2024) organized by ESN Publications, India, METHRATH UNIVERSITY Thailand NEW RAINS CHENNAI INDIA (Virtual Mode).
16. Awarded with **Young Scientist Award** International Conference on RECENT ADVANCES IN SCIENCE, TECHNOLOGY, ENGINEERING, MANAGEMENT AND SOCIAL SCIENCE – 2024 (RASTEMS - 2024) (online) organized by Bharathi women's College Madras University, Tamilnadu, India, MNR Dental College Telangana, India, New Rains, Wal chandi Institute of Technology Maharashtra, India, SAMARA UNIVERSITY ETHIOPIA.
17. Awarded with **Henri Moissan International Distinguished Scientist Award** on United Nation Public Service Day JUNE 23RD 2023 by International Multidisciplinary Research Foundation Reg with Govt.of India NITIAAYOG NGODARPAN GOVT.OF.A.P.
18. Awarded with "**Outstanding Scientist Award**" During International Scientist Awards 2020 on Engineering, Science and Medicine at Hyderabad by VD Good Technology Factory with Profile ID:RA-VD01092.in2020.
19. Awarded with "**Young Scientist Award**" by INDIAN PHARMA EDUCATIONAL SOCIETY REGD with GOVT of Indian association with Pharma tutor and St. Dominic College of Asia, Philippines is organizing a Virtual Annual Award Ceremony on 8th November 2020 with IDNO:IPES/VAAC /2020/35.
20. Awarded with "**Young Scientist Award**" Dr. Ambedkar's Youth for Nation Award 2023 held on 14th April 2023 on Birth Anniversary of "The Father of Indian Constitution" Jointly organized by JS University, Shikohabad, Uttar Pradesh (India) In association with International Council of Social Reforms and Research(ICSRR) Under the Banner of India Educational Charitable Trust(Regd.]) Ghaziabad Institute for Social Reforms and Higher Education Charitable Trust, Uttar Pradesh (India)Regd.with Govt of India NITIAAYOG NGO Darpan., Govt.ofUP.,.

Awards

21. Awarded with "Young Scientist Award"
by SHEN-2020 During 2nd International research awards on Science, Health and Engineering at Chennai by Science Father Profile Submission ID:1393. Science Father is a trade mark of Scifax Company Approved and registered by Ministry of Corporate Affairs (MCA), Govt.of. India with (Reg.No. 130116) in 2020.

22. Awarded with "Best Senior Scientist Award" (Ref:NRA/BSSA/0111703/2021-2022) in 2021 2022 by NOVEL RESEARCH ACADEMY Registered Enterprise under Govt .of. India with and a Division of Newswertia Publications (UAN: PY03D0003488) and Registered Under Ministry of MSME, Government of India\ Registered UA Number: PY03D0003488 and Registered Certified Number: QMS-NSPS-20-2300373, RECOGNIZED BY GLOBAL ACCREDITATION ASSESSMENT FORUM SERIES (GAAFS), Washington D.C., UNITED STATES OF AMERICA also REGISTERED under International Organization for Standardization ISO90 01:2015.

23. Awarded with "Young Scientist Award" by SAAP1st International Scientific Awards on Engineering Science and Medicinein2020.

24. Awarded with "Hubert Humphrey International Women Best Scientist Award 2023 in Pharmacy" by CENTER FOR PROFESSIONAL ADVANCEMENT [CPACE] A Unit of IMRF International Multidisciplinary Research Foundation Regd with Govt of India NITI Aayog NGO Darpan | ESTD: U/S 35 of 2001, Science Day & National Education Day Awards 2023 being Conferred on Nov 17th, 2023 in Hybrid Mode on the eve of International Students Day Celebrations. Govt of A.P. | HQ : Vijayawada, India [www.imrfedu.org]

Awards

25. Awarded with "Best Women Scientist Award" in 2020 -2021 by NOVEL RESEARCH ACADEMY (Ref: NRA/BSSA/0111285/2020- 2021) A Registered Enterprise under Govt. of. India with and a Division of News wertia Publications (UAN: PY03D0003488) and Registered Under Ministry of MSME, Government of India Registered UANumber:PY03D0003488and Registered Certified Number: QMS- NSPS- 20-2300373, RECOGNIZED by GLOBAL ACCREDITATION ASSESSMENT FORUM SERIES (GAAFS), Washington D.C., UNITED STATES OF AMERICA.

26. Awarded with Young Scientist Award during International Symposium on Bio Resource Technology SAB from Society for Applied Biotechnology Reg.Govt.of. India 2025.

Research Grants

Name of the Funding Body	Title	Grant in Amount Received
RGUHS Approved Under Graduate Research Projects Grant for the Year (2023-2024) Applied and Guided the Project	A Retrospective evidence-based study on vaccine safety surveillance of COVID19 vaccines (Covaxin and Covishield) usage among the population	Rs.15,000/-
RGUHS Approved Under Graduate Research Projects Grant for the Year (2023-2024) Applied and Guided the Project	<i>Materiovigilance Practice in India (MvPI) with its Operational Research in Monitoring Device Safety Among Patients Suffering from Common Metabolic Disorders Among Yelahanka Population-A Community Based Surveillance.</i>	Rs.30,000/-

Patent Publications and Grants – Dr. Mekkanti Manasa Rekha et al.

Name of the Applicant	Title	Country / Type	Filed Date & No.	Awarded / Published Date & No.
Dr. Mekkanti Manasa Rekha, et al.	Water Filtration System to Produce Alkaline Water	UK Design Patent	03/07/2023, No. 6294063	21/08/2023, No. 6294063
Dr. Mekkanti Manasa Rekha, et al.	AI-Based Device for Management of Metabolic Disorders	UK Design Patent	10/07/2023, No. 6295450	18/07/2023, No. 6295450
Dr. Mekkanti Manasa Rekha, et al.	Artificial Intelligence-Based Cancer Detection Device	UK Design Patent	29/07/2023, No. 6300178	08/08/2023, No. 6300178
Dr. Mekkanti Manasa Rekha, et al.	Device for Determining Antimicrobial Resistance Against Nanobiotics	UK Design Patent	12/08/2023, No. 6303320	22/08/2023, No. 6303320
Dr. Mekkanti	Device to Measure	UK Design Patent	23/08/2023, No. 6305125	04/09/2023, No. 6305125

Manasa Rekha, et al.	Free Radical Generation in Humans with Cancer Risk Prediction and Assessment			
Dr. Mekkanti Manasa Rekha, et al.	Biosensor-Based Cancer Detection Device	UK Design Patent	06/09/2023, No. 6308279	14/09/2023, No. 6308279
Dr. Mekkanti Manasa Rekha, et al.	Targeted Therapy for Breast Cancer Using <i>Bacillus coagulans</i> Supernatant	Indian Patent Publication	04/10/2023, No. 202341066397A	20/10/2023, No. 202341066397A
Dr. Mekkanti Manasa Rekha, et al.	Effect of Exogenous pH on Cell Growth of Breast Cancer Cells	Indian Patent Publication	13/06/2023, No. 202341040163A	30/06/2023, No. 202341040163AA
Dr. Mekkanti Manasa Rekha, et al.	Polyherbal Formulation for Treatment of PCOS	German Patent (Granted)	22/07/2022	11/08/2022, IPC: A61K36/71
Dr. Mekkanti Manasa Rekha, et al.	Composition of Silver Nanoparticles from <i>Echinochloa</i>	German Patent (Granted)	29/11/2022	12/12/2022, IPC: A61K36/899

	<i>colona</i> Leaf Extract			
Dr. Mekkanti Manasa Rekha, et al.	Polyherbal Composition for Anti-Urolithiatic, Anti-Osteoporotic, Anti-Diabetic, Anti-Inflammatory	German Patent (Granted)	03/12/2022	2022, IPC: A61K36/59
Dr. Mekkanti Manasa Rekha, et al.	Berries and Flaxseed-Based Polyherbal Anti-Hypertensive Formulation	German Patent (Granted)	14/01/2023	03/02/2023, IPC: A61K36/185
Dr. Mekkanti Manasa Rekha, et al.	Anti-Cancer Self-Defensing NAD-Based Formulation	Indian Patent Publication	24/02/2023, No. 202341012576	Published: e-12/1553/2023/chein
Dr. Mekkanti Manasa Rekha, et al.	Herbal Drug for Treating Cancer and Diabetes	African Patent (Granted)	—	2023, Ref No. 2023/00806
Dr. Mekkanti Manasa Rekha, et al.	Detection Method for <i>Toxoplasma gondii</i> Effects on Brain	Indian Patent Publication	22/04/2023, No. 202341029262A	26/05/2023

Dr. Mekkanti Manasa Rekha, et al.	<i>Thulasi Herbal Therapy Against COVID-19</i>	Indian Patent Publication	24/05/2023, No. 202341036000A	01/09/2023
Dr. Mekkanti Manasa Rekha, et al.	Sustained-Release Liposomal Drug Delivery for Cancer Treatment	German Patent (Filed)	—	Filed
Dr. Mekkanti Manasa Rekha, et al.	AI-Based Smart Device for COVID-19 Variant Analysis	Indian Design Patent (Applied)	—	Applied
Dr. Mekkanti Manasa Rekha, et al.	Blood Cancer Detection Device	Indian Design Patent (Granted)	—	26/05/2024, Design No. 418070-001
Dr. Mekkanti Manasa Rekha, et al.	Device to Detect Diseases Linked to Lifestyle	Indian Design Patent (Granted)	—	19/05/2024, Design No. 417380-001
Dr. Mekkanti Manasa Rekha, et al.	AI-Based Personalized Dosage Control Apparatus	Indian Design Patent (Granted)	—	18/07/2024, Design No. 423573-001

Name of the Applicant	Title	Country / Type	Filed / Registered Date & No.
Dr. Mekkanti Manasa Rekha, et al.	AI-Based Neurochemical Sensing Microarray Unit	Indian Design Patent (Granted)	08/11/2024, Design No. 436745-001
Dr. Mekkanti Manasa Rekha, et al.	AI-Based Deep Brain Neuro stimulation Device	Indian Design Patent (Granted)	01/11/2024, Design No. 436333-001
Dr. Mekkanti Manasa Rekha, et al.	Device for Detection of Neurological Disorders	Indian Design Patent (Granted)	30/06/2024, Design No. 421729-001
Dr. Mekkanti Manasa Rekha, et al.	AI-Driven Pharmaceutical Drug Discovery Platform for Targeted Therapeutic Applications	Canadian Copyright Registration	24/12/2024, Registration No. 1229228
Dr. Mekkanti Manasa Rekha, et al.	Wearable Medical Device for Personalized Pharmacogenomic Data Storage	Indian Design Patent (Applied)	

Name of the Applicant	Title	Country / Type	Filed / Registered Date & No.
Dr. Mekkanti Manasa Rekha, et al.	AI-Based Neurochemical Sensing Microarray Unit	Indian Design Patent (Granted)	08/11/2024, Design No. 436745-001
Dr. Mekkanti Manasa Rekha, et al.	AI-Based Deep Brain Neurostimulation Device	Indian Design Patent (Granted)	01/11/2024, Design No. 436333-001
Dr. Mekkanti Manasa Rekha, et al.	Device for Detection of Neurological Disorders	Indian Design Patent (Granted)	30/06/2024, Design No. 421729-001
Dr. Mekkanti Manasa Rekha, et al.	Blood Cancer Detection Device	Indian Design Patent (Granted)	26/05/2024, Design No. 418070-001
Dr. Mekkanti Manasa Rekha, et al.	AI-Based Personalized Dosage Control Apparatus	Indian Design Patent (Granted)	18/07/2024, Design No. 423573-001
Dr. Mekkanti Manasa Rekha, et al.	AI-Driven Pharmaceutical Drug Discovery Platform for Targeted Therapeutic Applications	Canadian Copyright Registration	24/12/2024, Registration No. 1229228
Dr. Mekkanti Manasa Rekha, et al.	Sustained-Release Liposomal Drug Delivery for Cancer Treatment	German Patent (Filed)	—

Books/Book Chapters

Sl. No.	Name of the Teacher	Title of the books/Book chapters published with ISBN/ISSN number of the Proceeding.	Year
1.	Dr Mekkanti Manasa Rekha, etal.,	A Book Chapter Named- COVID19-FACTS 159927-1398250-NA-NED-T0-VINO-REG-IND-DIY-040923-0 NOTION PRESS NEW DELHI https://notionpress.com/read/covid-19-facts	2023-2024
2.	Dr Mekkanti Manasa Rekha, etal.,	Cancers among women 159927-1400989-NA-NED-T0-ARAV-REG-IND- DIY-241023-0 NOTION PRESS NEW DELHI https://notionpress.com/read/cancers-among-women-abbreviations	2023-2024
3.	Dr Mekkanti Manasa Rekha, etal.,	A text book on Antibiotics and its Rational Practices 159927-1400924-NA-NED-T0-BALA-REG-IND-DIY-241023-0 NOTION PRESS NEW DELHI https://notionpress.com/read/a-text-book-on-antibiotics-and-its-rational-practices.	2023-2024
4.	Dr Mekkanti Manasa Rekha, etal.,	Sensors Changes & organ damages 159927-1400988-NA-NED-T0-VINO-REG-IND-DIY-241023-0 NOTION PRESS NEW DELHI https://notionpress.com/read/sensory-changes-organ-damages.	2023-2024
5.	Dr Mekkanti Manasa Rekha, etal.,	A Book Chapter on Common Metabolic disorders 159927-1401189-NA-NED-TO-VINO-REG-IND-DIY-271023-0 NOTION PRESS NEW DELHI NOTION PRESS NEW DELHI https://notionpress.com/read/a-book-chapter-on-common-metabolic-disorders	2023-2024
6.	Dr Mekkanti Manasa Rekha, etal.,	A Book on Endocrine Disorders 159927-1401126-NA-NED-T0-KRIS-REG-IND-DIY-261023-0	2023-2024

		NOTION PRESS NEW DELHI https://notionpress.com/read/a-book-on-endocrine-disorders .	
7.	Dr Mekkanti Manasa Rekha, et al.,	A book on Pharmacy Abbreviations 159927-1401002-NA-NED-T0-ARAV-REG-IND-DIY-241023-0 NOTION PRESS NEW DELHI https://notion press.com/read/a-book-on-pharmacy-abbreviations .	2023-2024
8.	Dr Mekkanti Manasa Rekha, et al.,	A POCKET REFERENCE ON MEDICAL ABBREVIATIONS, PRODUCTID:159927-1327116-NA-NED-T0-MONI-REG-IND-DIY(ISBN:978-1-64678-166-9) PUBLISHED AND RELEASED BY NOTION PRESS BOOKS STORES.	2021-2022
9.	Dr Mekkanti Manasa Rekha, et al.,	ATEXTBOOKONCLINICALPHARMACYOVERVIEWPRODUCTID:159927-1337395-NA-NED-T0-HARI-REG-IND-DIY (ISBN: 9781649830067) PUBLISHED AND RELEASED BY NOTION PRESS BOOKS STORES.	2021-2022
10.	Dr Mekkanti Manasa Rekha,	A Book Chapter Named- The Tuberculosis (ISBN:9798887041643) Published and Released by Notion Press Books Stores.	2021-2022
11.	Dr Mekkanti Manasa Rekha, et al.,	A Book Chapter Named-Cancer Facts In Women Published And Released (ISBN:9798887047850) Published and Released by Notion Press Books Stores.	2022-2022
12.	Dr Mekkanti Manasa Rekha, et al.,	A Pocket Guide On Medical Laboratory Parameters, productID:159927-1327116-na-ned-t0-eva-reg-ind-diy (isbn:9781649835512). Published and Released by Notion Press Books Stores.	2021-2023
13.	Dr Mekkanti Manasa Rekha, et al.,	A Book Chapter Named- Hemovigilance(ISBN:9798887172521) Published and Released by Notion Press Books Stores.	2022-2023
14.	Dr Mekkanti Manasa Rekha, et al.,	A Book Chapter Named-Vaccine Safety Among Paediatrics (ISBN: 9798887173085) Published and released by Notion Press Books Stores.	2022-2023

15.	Dr Mekkanti Manasa Rekha, etal.,	A Book Named PHARM-D (DOCTOR OF PHARMACY)-ROYAL CREATORS OF HEALTHYINDI (ISBN978-613-9- 86631-1) With Project- ID(178250)released by LAPLAMBERT Academic publishing marketing	2017-2018
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Ph.D. Related Work Details

List of Peer Reviewed Journal Publications

1. Dr Mekkanti Manasa Rekha, Dr.E. Maheswari Clinical Pharmacist interventions over Anti- tubercular treatment strategies in Management of Drug Related Problems published in African Journal of Biological Sciences 6(9),2024 Page numbers: 4264 of 26 -4288 of 26DOI: 10.33472/AFJBS.6.9.2024.4263-4288 ISSN:2663-2187 **(SCOPUS INDEXED JOURNAL Q4 RANKING and Web of Science Indexed).**
2. Dr Mekkanti Manasa Rekha, Dr.E. Maheswari Clinical audit on diagnosis and therapeutic outcomes of Tuberculosis patients in RNTCP/DOT Centre's of primary Health care settings published in South Eastern European Journal of Public Health SEEJPH Volume XXVI, S2, 2025, ISSN: 2197-5248. **(SCOPUS INDEXED JOURNAL Q4 RANKING, further indexed in PubMed, SC Imago Journal & Country Rank (SJR), etc.,).**
3. Clinical Pharmacist-Led Strategies to Improve TB Medication Adherence: A Prospective Study. **(UNDER REVIEW).**
4. Clinical Pharmacist-Led Nutritional Interventions for Tuberculosis Patients: A Path to Improved Health Outcomes. **(UNDER REVIEW).**
5. Optimizing Tuberculosis Treatment Outcomes: Clinical Pharmacist Interventions and HRQoL Improvements. **(UNDER REVIEW).**
6. Disproportionality Analysis for Adverse Drug Reaction Signal Detection in Tuberculosis Pharmacotherapy: A Data-Driven Approach. **(UNDER REVIEW).**

Ph.D. Related Work Details

List of Conference Proceedings

List of Oral Presentations in Conferences

1. Dr Mekkanti Manasa Rekha, Clinical Pharmacist interventions contributing to the WHO Stop TB theme: YES, WE CAN EDND TB- 5th World Congress on Infectious Diseases amp; Antibiotics-2024organized by Biogenesis health cluster, Bangalore, Karnataka, India 26th May -2024 virtually by Biogenesis health cluster, Bangalore, Karnataka, India. **(Awarded with Best Oral Presentation)**
2. Dr Mekkanti Manasa Rekha, A Systematic Review and Meta-Analysis on factors underlying for the success and treatment failures among tuberculosis patients-with a perspective of End TB in India 4th world congress on drug discovery and development - 2023 international conference organized by Biogenesis health cluster, Bangalore, Karnataka, India 29th October-2023 virtually by Biogenesis health cluster, Bangalore, Karnataka, India. **(Awarded with Best Oral Presentation)**
3. Dr Mekkanti Manasa Rekha, Strategies' to implement to End Tuberculosis India- Pradhan Mantri TB Mukt Bharat Abhiyaan International Conference Inno Pharm Rx- 2023: Bridging the Gap with Bench to Bedside Innovations in Healthcare InnoPharmRx-2023 Sponsored by DST-SERB, Govt. of India 18th- 19th December-2023, School of Pharmacy, Sharda University, and Greater Noida, India **(Awarded with Certificate of Presentation)**.
4. Dr Mekkanti Manasa Rekha, A Systematic Review and Meta-Analysis on impact of SARSCOV-2(COVID-19) its risk factors, treatment protocols over the management of tuberculosis co-infective patients. Think Beyond Covid-19 And Vaccination 2022 organized by Biogenesis health cluster, Bangalore, Karnataka, India on 2nd October -2022 virtually by Biogenesis health cluster, Bangalore, Karnataka, India. **(Awarded with Certificate of Excellence)**.

Ph.D. Related Work Details

DURING LITERATURE REVIEW & OBJECTIVE FRAMING (Presentations at the International Conferences)

- 1. Dr Mekkanti Manasa Rekha, A Prospective study on Assessment of role and impact of Clinical Pharmacy Services in management and prevention of Anti-Biotic Resistance in treatments of infectious diseases by promotion of rational drug usage 2nd World Congress on Infectious Diseases and Antibiotics-2020 organized by Biogenesis health cluster, Bangalore, Karnataka, India 17th October-2020 virtually by Biogenesis health cluster, Bangalore, Karnataka, India. (Awarded with Best Oral Presentation)**
- 2. Dr Mekkanti Manasa Rekha, Impact of Anti-Biogram tool kits in combating drug resistance among various infectious diseases 3rd World Congress on Infectious Diseases& Antibiotics-2022 organized by Biogenesis health cluster, Bangalore, Karnataka, India 30th January -2022 virtually by Biogenesis health cluster, Bangalore, Karnataka, India. (Awarded with Best Speaker of Scientific Session).**
- 3. Dr Mekkanti Manasa Rekha, Application of Artificial Intelligence in prevention of cardiovascular diseases/disorder deaths among public 3rd world congress on cardiac sciences organized by Biogenesis health cluster, Bangalore, Karnataka, India 30th January -2022 virtually by Biogenesis health cluster, Bangalore, Karnataka, India. (Awarded with Speaker of Scientific Session).**
- 4. Dr Mekkanti Manasa Rekha, An Evidence Based Systematic Review and Meta-analysis on Application of Epigenetics in Onco-therapeutics 5th global cancer summit, International Collaborative Conference organized by Biogenesis health cluster, Bangalore, Karnataka, India 22nd May,2022. (Awarded with oral Presentation Certificate).**
- 5. Dr Mekkanti Manasa Rekha, Role of Various Data Bases in Pharmacovigilance practices: in promotion of rational drug usage 2nd world congress on pharmacology-2022" Drug Discovery and Development", organized by Biogenesis health cluster, Bangalore, Karnataka, India 30th January 2022. (Awarded with Speaker of Scientific Session).**

Ph.D. Related Work Details

DURING LITERATURE REVIEW & OBJECTIVEFRAMING (Presentations at the Conferences)

6. Dr Mekkanti Manasa Rekha, Tuberculosis Trends: its current challenges and overview of control programs in India towards end TB by 2025. 12th world congress on Pharmaceutical science and drug manufacturing International Conference organized by Association of Pharmaceutical Research (APR) in association with Sri Adichunchunagari University, Karnataka, India 19th and 20 th September, 2024, Goa, India (Awarded with oral Presentation Certificate). Training Certificates achieved Elsevier (Scopus) indexed Clarivate Analytics.
7. Awarded e-certificate of participation for online webinar on “Essential Skills for Effective Research “on June 11th and July 2nd 2020; Elsevier(Scopus) indexed. Organized by Ramaiah Public Policy Centre (RPPC), MS. Ramaiah University of Applied Sciences, Bangalore, Karnataka, India Elsevier(Scopus) indexed
8. Awarded e- Certificate of participation for online webinar held on topic “strengthening the research ecosystem of Ramaiah University of applied sciences on Tuesday 8 th 2021” (Elsevier) organized by MS. Ramaiah University of Applied Sciences, Bangalore, Karnataka, India Elsevier(Scopus) indexed.
9. Awarded e-Certificate of participation for online training on clarivate Journal citation reports (journal citation reports certification series- 2021) Certificate ID:12765359933 organized by MS. Ramaiah university of applied sciences Bangalore Karnataka India.

List of Book Chapters

1. The Tuberculosis (ISBN: 9798887041643) PUBLISHED AND RELEASED BY NOTION PRESS BOOKS STORES (List of Authors Dr Mekkanti Manasa Rekha and Dr. Mudigubba Manoj Kumar).

Speaker/Chair Person in International Conferences

Name of the Conference	Speaker
<p>3rd world congress on cardiac sciences organized by Biogenesis health cluster, Bangalore, Karnataka, India 30 th January-2022 virtually by Biogenesis health cluster, Bangalore, Karnataka, India. (Awarded with Speaker of Scientific Session).</p>	<p>As a Key Speaker for the topic Application of Artificial Intelligence in prevention of cardiovascular diseases/disorder deaths among public</p>
<p>2nd world congress on pharmacology-2022” Drug Discovery and Development”, organized by Biogenesis health cluster, Bangalore, Karnataka, India 30 th January 2022. (Awarded with Speaker of Scientific Session).</p>	<p>As a Key Speaker for the topic Role of Various Data Bases in Pharmacovigilance practices: in promotion of rational drug usage</p>
<p>3rd World Congress on Infectious Diseases& Antibiotics-2022 organized by Biogenesis health cluster, Bangalore, Karnataka, India 30 th January -2022 virtually by Biogenesis health cluster, Bangalore, Karnataka, India. (Awarded with Best Speaker of Scientific Session).</p>	<p>As a Key Speaker for the topic Impact of Anti-Bio gram tool kits in combating drug resistance among various infectious diseases</p>

<p>2nd World Congress on Pharmacology- 2022 “Drug Discovery and Development organized by Biogenesis health cluster, Bangalore, Karnataka, India</p>	<p>As a Key Speaker for the topic Role of various databases in pharmacovigilance practice– In promotion of rational drug usage</p>
<p>Five-day e – FDP on “Contemporary & Emerging technologies in the Medical and Pharmacy sector” jointly organized by Nirmala College of Pharmacy Kadapa (Autonomous) and Sree Venkateswara College of Pharmacy, Nellore, Andhra Pradesh from 26th May, 2025 to 30th May, 2025.</p>	<p>As a Key Speaker for the topic in e - FDP“Bioinformatics – its applications in research”</p>
<p>International Conference On EMMA – 2025 In Association with Samara University Ethiopia Walchand Institute of Technology Solapur, Maharashtra, India. Bharathi Women's College (A), (Affiliated to University of Madras) Chennai – 600108 , 30 & 31 March 2025 (Online Conference).</p>	<p>As a Key Speaker for the topic “Big Data to Better Health: AI and Bioinformatics in Healthcare Innovation”</p>

Conferences, Presentations and Awards

Name of the Conference	Title of the Paper	Award
International Conference on Advances in Biopolymer Drug Delivery System, 30–31 Jan 2014, CES College of Pharmacy, Kurnool, A.P, India	The Role of Biopolymers in Genotoxicity and Mutagens/Carcinogens Elimination in Cancer Treatment	Awarded First Prize
National Conference on Patient Reported Outcomes in Pharmacovigilance, 24 Mar 2013, ISPOR, RIPER, Ananthapur, A.P, India	Caesium Chloride High pH Therapy in Cancer Treatments	Awarded Best Poster
UGC Sponsored National Seminar on Recent Advances in Pharma Research, 14–15 Mar 2014, S.K.U University, Ananthapur, A.P, India	Tumor Infiltrating Lymphocytes Modified by Retroviral Gene Transduction Serves as a Complete Cure to Treat Cancer Without Adverse Effects	Awarded First Prize
National Seminar on Current Trends and Future Perspectives in Pharmacology and Pharmaceutical Research, 14 Mar 2015, RIPER, Ananthapur, A.P, India	Cancer Can Be Cured by Sialic Acid-Binding (SBL) Lectin: A Protein Obtained from Frog	Awarded First Prize
National Conference on Natural Products Research, 19–20 Jul 2014, CES College of Pharmacy, Kurnool, A.P, India	Amygdalin: New Natural Medicine for Complete Cure of Cancer – Available at Low Price for Cancer Treatment	Awarded First Prize
National Level Seminar on Healthcare and Outcomes Research, 27 Dec 2014, RIPER, Ananthapuram, A.P, India	Every Indian Pharmaceutical Industry Should Support Dichloroacetate as a	Awarded Best Poster

		Potential Metabolic Targeting Drug for Cancer	
National Symposium on Exploring New Insights of Pharmacoeconomics and Outcome Research, 5 Dec 2015, Riper, A.P, India	Cat Feces Can Kill Cancer Much Better Than Chemotherapy – A New Approach to Cancer Treatment	Awarded Best Poster	
National Seminar on Awareness Programme on Pharm-D, 12 Aug 2012, VIPS & PCI, Rajahmundry, A.P, India	Role of Pharm-D in Healthcare Services	Awarded Second Prize	
International Conference on Emerging Trends in Chemical and Pharmaceutical Sciences, 28–30 Jan 2013, ICCP, JNTUA, with ScienceTech Foundation, Bengaluru	The 12 Swords That Serve as Safe and Painless Therapies for Cancer Treatment	Awarded Best Poster	
2nd Indo-Korean Conference on Herbals and Pharmaceuticals: Pivotal Issues and Concerns, GKCP and APPS, Nellore, A.P, India	A New Therapy for Cancer by Using <i>Clostridium Sporogenes</i> Better Than Radiation Therapy at Low Cost Without Any Adverse Effects	Awarded First Prize	
UGC Sponsored National Conference on Recent Strategies in Global Pharma Regulatory Affairs and Quality Assurance, 4–5 Feb 2015, Sri Padmavathi Mahila Visvavidyalayam, Tirupati, A.P, India	A Mushroom Can Completely Kill Cancer by Inducing Genes Related to Suppression on Breast Cancer	—	
Advanced Learning Series 4: International Pharmacy	Theme: Medication Therapy Management	Attended & Trained	

Practice Module, 16–18 Jan 2013, ANCP, Rajampet, Kadapa, A.P, India		
UGC Sponsored National Conference (IPTCON–2014) on Frontiers in Drug Discovery and Drug Delivery, 14–15 Feb 2014, Sri Padmavathi Mahila Visvavidyalayam, Tirupati	A Virus Can Kill Cancer: A New Oncolytic Therapy to Treat Cancer Cells	Best Poster; Selected for Publication
3rd International Conference and Exhibition on Bioequivalence, Biologics and Biosimilars, 27–29 Nov 2014, OMICS Publishing Group, Hyderabad, A.P, India	The Indian Pharmaceuticals Should Support Dichloroacetate (DCA) for Cancer Therapy	Selected for Free E-Publication in <i>Bioanalysis and Biomedicine</i>
UGC Sponsored National Seminar on Global Perspectives in Pharmaceutical Sciences, 11 Jul 2015, OTRI, JNTUA, Ananthapuram, A.P, India	Tobacco Can Kill Cancer by a Molecule Called NAD1 Obtained from Flowers of <i>Nicotiana alata</i>	Selected for Free Publication in <i>EIJRPS</i>
National Seminar on Advanced Biopharmaceutic Strategies – A Regulatory Perspective, 13–14 Jul 2015, Vidyanikethan College of Pharmacy, Tirupati, India	Marine Sources That Serve as Alternatives for Cancer Treatment	—
National Seminar on Job Opportunities and Career Development (IACP), 28 Feb–1 Mar 2015, Krishnateja	Oral Presentation on Natural Alternatives for Cancer Treatment	—

Pharmacy College, Tirupati, A.P, India		
Aushadhi-2: National Level Pharmacy Symposium on Recent Trends in Pharmaceutical Research, 10– 11 Mar 2012, ANCP, Rajampet, Kadapa	Effects of Breast Cancer and Its New Treatments	—
Workshop on Skills and Career Development in Pharmacy, 5 Mar 2016, ANCP, Rajampet, Kadapa	Workshop Participation	Attended
All India Pharmacy Quiz, National Pharmacy Week, Nov 2012, Madras Medical College, Chennai	—	Participation Certificate
8th National Symposium on Pharmacoconomics and Outcomes Research, 24 Nov 2016, ISPOR and RIPER	A Study on Implementation of Clinical Pharmacy Services to General Medicine Department in a Government Tertiary Care Teaching Hospital	—

Event	Role	Organizer	Date	Achievements / Remarks
ICMR Training on Responsible Conduct of Research & Publication Ethics	Attended	Indian Council of Medical Research (ICMR), NCDIR, Bangalore, Karnataka, India	28th February 2020	Received training certificate and materials
Research Methodology Workshop	Registered (Workshop Cancelled)	Rajiv Gandhi University of Health Sciences (RGUHS), Bangalore, Karnataka, India	30th & 31st March 2020	Cancelled due to COVID-19 outbreak
2nd World Congress on Infectious Diseases and Antibiotics – 2020 Theme: Global Impact on the Control, Treatment, and Elimination of Infectious Diseases	Speaker & Delegate	Biogenesis Healthcare Cluster Unit with Indian Institute of Science, Bangalore, Karnataka, India	2020	Awarded: Best Oral Presentation with Certificate of Excellence Paper Title: A Prospective Study on Assessment of Role and Impact of Clinical Pharmacy Services in Management and Prevention of Antibiotic Resistance in Treatments of Infectious Diseases by Promotion of Rational Drug Usage

<p>World Congress on Pharmacology – 2019 Theme: Drug Discovery and Development</p>	<p>Delegate</p>	<p>Biogenesis with Indian Institute of Science, Bangalore, Karnataka, India</p>	<p>28th & 29th August 2019</p>	<p>Awarded: Best Oral Presentation with Certificate of Appreciation Paper Title: A Meta-Analysis on Personalized or Precision Medicine – Its Impacts and Outcomes from Pharmacology Perspective in Management of Cancers</p>
<p>2nd World Congress on Infectious Diseases and Antibiotics – 2020</p>	<p>Speaker & Delegate</p>	<p>Biogenesis with Indian Institute of Science, Bangalore, Karnataka, India</p>	<p>2020</p>	<p>Awarded: Best Poster Presentation with Certificate of Excellence Paper Title: Not specified (can be added if available)</p>

Additional Academic Participation & Achievements

Event	Role	Organizer	Date	Achievements / Remarks
<p>2nd World Congress on Cardiac Sciences – 2020 Theme: Advances in Cardiology Research and Innovations</p>	<p>Delegate</p>	<p>Healthcare Cluster Unit with Indian Institute of Science, Bangalore, Karnataka, India</p>	<p>2020</p>	<p>Awarded: Certificate of Excellence in Speaker Session Paper Title: A Descriptive Meta-Analysis on Evidence-Based Impact of</p>

				Electromagnetic Energy of Mobile Phones/Smartphones Over Cardiovascular Health
National Seminar on Ethics in Academia and Research	Registered (Postponed)	Ramaiah University of Applied Sciences, Bangalore, Karnataka, India	2020	Postponed due to COVID-19 outbreak
Online Course on Coronavirus-2019 (COVID-19)	Participant	AACC Learning Lab – Medicine on NEJM Knowledge+ By Dr. Nader Rifai, Harvard Medical School, USA	2020	Awarded: Course Completion Certificate
3rd World Congress on Cardiac Sciences – 2022 Theme: Applications of Artificial Intelligence in Prevention of Cardiovascular Diseases/Disorders	Speaker	Biogenesis Healthcare Cluster Unit, Bangalore, Karnataka, India	2022	Awarded: Certificate of Excellence for Best Speaker in Scientific Session
3rd World Congress on Infectious Diseases and Antibiotics – 2022	Speaker	Biogenesis Healthcare Cluster Unit, Bangalore, Karnataka, India	2022	Awarded: Certificate of Excellence for Best Speaker in Scientific Session Paper Title: Impact of Antibiogram Toolkits in

				Combating Drug Resistance Among Various Infectious Diseases
2nd World Congress on Pharmacology – 2022 Theme: Drug Discovery and Development	Speaker	Biogenesis Healthcare Cluster Unit, Bangalore, Karnataka, India	2022	Awarded: Certificate of Appreciation Topic: Role of Various Databases in Pharmacovigilance Practice – In Promotion of Rational Drug Usage
Online Quiz on “Pandemic Awareness: COVID-19”	Participant	South Asian Academic Publications (www.saapbooks.com)	2020	Awarded: E-Certificate of Participation

E-Certificates, Webinars, and Online Participation

Event / Quiz / Webinar	Organizer	Date (If Known)	Certificate / Achievement
Online Quiz-cum-Survey on COVID-19	NSS Unit, KLE College of Pharmacy, Bangalore, Karnataka, India	–	E-Certificate of Appreciation
Corona Awareness Quiz	Lutawan Institute of Pharmacy, Ghazipur, Uttar Pradesh, India	30th April 2020	E-Certificate of Excellence
Online Quiz: Clinical Management of COVID-19 – A Knowledge Update	Kannur Medical College in association with Haxveo Healthcare Life Integrated, Bangalore	–	E-Certificate of Participation
Poster Making Contest on Protective	IIMT College of Pharmacy, Greater Noida (U.P.), India	–	E-Certificate

Measures Against Coronavirus			
Online Quiz on Crisis of COVID-19	Vydehi Institute of Pharmacy, Bangalore, Karnataka, India	–	E-Certificate of Appreciation
Online Assessment on Intellectual Property Rights (ID: AXWJMO-CE000526)	Santhiram College of Pharmacy, Nandyal, Andhra Pradesh, India (IIC)	–	E-Certificate of Participation
Online COVID-19 Awareness Quiz (ID: A3YJ7A-CE000081)	Rajgaddyaapeeth's College of Pharmacy, Bhor in association with NSS Unit (SPPU), Pune, India	–	E-Certificate of Participation
Online Assessment on Adverse Reaction Reporting System (ID: 7DG6LQ-CE000013)	Mr. Sreenu Pasula, Researcher	–	E-Certificate of Appreciation
Forensic Science Quiz	IFS: International Forensic Sciences, Pune	–	E-Certificate of Participation
Webinar on “Impact of COVID-19 on Human Resource Practices in Higher Education” (ID: GSWEB20201)	Shiksha Mandal's G.S. College of Commerce and Economics, Jabalpur (M.P.), India	28th May 2020	E-Certificate of Participation
Webinar on “Research Opportunities in Post-COVID Era” by Prof. (Dr.) B. Suresh	Alpine College of Management and Technology, Dehradun, Uttarakhand, India	–	E-Certificate of Participation
Webinar on “Orientation in Education Methodology for Professional Educators” (ID: TAWDVU-CE000012)	NITTE College of Pharmaceutical Sciences, Bangalore, Karnataka, India	–	E-Certificate of Participation

Webinar on “Challenges and Opportunities in Medical Tourism & Pharmaceutical Sales and Marketing Management”	Quiz College of Pharmacy in association with IPA-AP State Branch, Andhra Pradesh, India	–	E-Certificate of Participation
International Web Conference: “Exploring Clinical & Pharmaceutical Industries – Future Endeavours & Opportunities”	Operant Pharmacy Federation in collaboration with Department of Pharmacy, KGR Institute of Technology and Management	–	E-Certificate of Participation
Webinar on “National Webinar on Safe Disposal of Unused and Expired Medicines” (ID: CURLSO-CE000003)	Association of Community Pharmacists of India (ACPI)	4th May 2021	E-Certificate of Participation
Webinar on “Essential Skills for Effective Research”	Ramaiah Public Policy Centre (RPPC), MS Ramaiah University of Applied Sciences & Elsevier (Scopus) Indexed	11th June & 2nd July 2020	E-Certificate of Participation
Five-Day International Online Faculty Development Program (ID: XRS2DQ-CE000057)	A.M. Reddy Memorial College of Pharmacy, Narsaraopet, Andhra Pradesh, India	4th–8th June 2020	E-Certificate of Participation

Title Event Date Organizer Certificate ID / Award

S. No.	Event Title	Date	Organized By	Certificate Type / ID
1	Your Eyes and COVID-19	3 June 2020	Dept. of Microbiology,	E-Certificate, ID: YEAC0077

			Mount Carmel College, Bengaluru	
2	Biodegradable Polymers for Advanced Medical Applications	30 May 2020	Mallige College of Pharmacy, Bangalore	E-Certificate
3	Pharma Expert Talk – Herbals & Nutraceuticals Industry	20 June 2020	Pharmatutor Pharmacy Infopedia India	E-Certificate
4	Interprofessional Education	13 June 2020	JSS Academy of Higher Education & Research, Mysuru, in assoc. with PCI	E-Certificate
5	Dissecting Pharm.D Internship During COVID-19	30 May 2020	JSS Academy, Mysuru & Pharmacy Council of India	E-Certificate
6	Managing the Unlockdown in India	16–23 June 2020	S.A. Engineering College, Chennai	E-Certificate
7	Strengthening the Research Ecosystem of RUAS	8 June 2021	MS Ramaiah University of Applied Sciences & Elsevier	E-Certificate
8	Clarivate Journal Citation Reports Certification	2021	MS Ramaiah University of Applied Sciences, Bangalore	Cert. ID: 12765359933
9	Quality Assurance Sector – Pharma Expert Talk	27 June 2020	Pharmatutor EduLabs	E-Certificate
10	Drug Abuse & Illicit Trafficking – Pull the Plug on Drugs	26 June 2020	Karnataka Pharm.D Association & Karnataka State Pharmacy Council	E-Certificate

11	Career Opportunities in Research After Pharm.D	23 April 2021	Clinimed Research Solutions & IPASF	E-Certificate
12	Chromatographic Techniques for Phytochemicals	3 July 2020	KLE College of Pharmacy, Belagavi	E-Certificate
13	3 Days National E-Symposium on Pharmaceutical Sciences	July 2020	Annamacharya College of Pharmacy, Andhra Pradesh	E-Certificate
14	Regulatory Regulations for Pharmaceutical Industry	12–13 July 2020	Operant Pharmacy Federation & Dreamz College of Pharmacy	E-Certificate
15	Pharma Science Behind Traditional Health Practices	11 July 2020	Dept. of Pharmacognosy, KLE College of Pharmacy, Bengaluru	E-Certificate
16	Strategies in Clinical Pharmacy During COVID-19	23 July 2020	VEDA College of Pharmacy & Priyadarshini College, Andhra Pradesh	E-Certificate
17	Pharmacoeconomics and Outcomes Research	29 August 2020	KRPA, IPA, East West College of Pharmacy, Bangalore	E-Certificate
18	AI in Drug Design & Molecular Docking	2023	VELS University, Chennai	Cert. No: SPS230727
19	Best Oral Presentation – Air Pollutants & Epigenetics	29 October 2023	Biogenesis, IISc, Bangalore	Awarded, 2 CME Credits
20	Clinical Research Methodology FDP	8–10 July 2021	Krishna Teja College of Pharmacy, Tirupati	E-Certificate

21	PRIP Innovate – International Webinar	22 December 2021	Dept. of Regulatory Affairs, Pulla Reddy Institute of Pharmacy, Hyderabad	E-Certificate
22	Excellence in Reviewing – Quality Journal	—	Journal of Pharmaceutical Research International (Science Domain)	E-Certificate
23	Innovations in Phyto pharmaceuticals – NILA 2020	18 September 2020	Nirmala College of Pharmacy, Kerala	E-Certificate
24	Biopharmaceutical & Dosage Form Design	26 September 2020	Dept. of Pharmaceutics, Sri Padmavathi School of Pharmacy, AP	E-Certificate
25	National Colloquium on Drug Discovery	25 September 2020	Annamacharya College of Pharmacy, AP & IPA	E-Certificate
26	Indo-African Webinar: Vaccine QA & Analysis – Part 1	29 September 2020	Sri Padmavathi School of Pharmacy, AP	E-Certificate
27	Indo-African Webinar: Vaccine Microbiology – Part 2	30 September 2020	Sri Padmavathi School of Pharmacy, AP	E-Certificate
28	International Webinar on Pharmaceutical Sciences	22 October 2020	CARE College of Pharmacy with MYBO Group	E-Certificate

Title	Event	Date	Organizer	Certificate ID / Award
Participation	International Webinar on “Pharmacogenomics and Personalised Medicine”	9th Nov 2020	PharmaTutor EduLabs & International Pharmaceutical Forum	4Y5Q4W-CE000354
Participation	International Webinar on Inter professional Education	13th June 2021	JSS College of Pharmacy & JSS AHER, Mysuru	-
Participation	1-week Online STTP	27th July – 1st Aug 2021	Rajashri Sahu College of Pharmacy in – collaboration with AICTE	
Participation	International Webinar on Clinical Operations – Risk Based Monitoring	31st July 2021	JSS College of Pharmacy & JSS AHER, Mysuru	-
Participation	National Webinar on Current Scenario of Pharmacovigilance and CPCSEA	29th July 2021	KL College of Pharmacy, Guntur, AP	9G9OPW-CE000008
Speaker & Participation	5th Global Cancer Summit	22nd May 2022	Biogenesis Health Cluster	Best Oral Presentation
Participation	Innovations in Pharmaceutical Interventions	21st Sept 2021	Pulla Reddy Institute of Pharmacy, Hyderabad	-
Participation	3rd World Congress on Pathology & Cancer Diagnosis	22nd May 2022	Biogenesis Health Cluster	-

Appreciation	2nd World Congress on Biotechnology – “Current Research & Innovations”		Biogenesis 2022 Health Cluster	–
Participation	8th Indo-American Conference (IAICMRR)	25th June 2022	IAICMRR, USA	–
Excellence Award	Think Beyond COVID-19 & Vaccination – 2022	2nd Oct 2022	Biogenesis Health Cluster	Best Oral Award
Appreciation	7th Int'l Conf. on Healthy Ageing	2022	Biogenesis Health Cluster	Speaker Appreciation
Participation	FDP: Innovations in Drug Monitoring & Personalized Medicine	18th–22nd July 2023		Dayananda Sagar University, Bangalore
Oral Presentation	InnoPharmRx-2023 – Drug Discovery & Community Trial	18th–19th Dec 2023	Sharda University, – DST-SERB	
Oral Presentation	Strategy to End TB – PM TB Mukt Bharat Abhiyaan	18th–19th Dec 2023	Sharda University, – DST-SERB	
Participation	FCEM – Foundation Course in Educational Methodology		APTI (Association of – Pharmaceutical Teachers of India)	–
Young Scientist Award	3rd Pharma Summit (Virtual & Bali)	27th–28th Mar 2024	APR & Bio-Leagues	Alkaline Water Therapy Study
Young Scientist Award	Int'l Conf. on Gynaecology and Obstetrics	27th Apr 2024	Brainy Meet	HIV Perinatal Outcomes Study
Participation	12th World Conference on Pharmaceutical Science & Drug Manufacturing	19th–20th Sept 2024	APR & Sri Adichunchanagiri College, Goa	TB Control Program Presentation

Oral Presentation	Int'l Conf. on RASTEMS – 2024	Bharathi Women's 2024 College, MNR Dental, Samara Univ., etc.	AI in Healthcare Study
Certified	1-week FDP on Materiovigilance	– MS Ramaiah University, Completed & ATAL	

Publications

1. A prospective study on implementation of clinical pharmacy services to general medicine department in a tertiary care hospital. Published in *Journal of Pharma Research*, ISSN: 2319-5622, Volume 5, Issue 8, pages 191–198. UGC Approved journal with SJIF (Impact Factor): 4.521.
2. A study on role of clinical pharmacist in identification and reporting of drug interactions in psychiatric ward in a tertiary care teaching hospital. Published in *Pharma Tutor*, ISSN: 2347-7881, Volume 5, Issue 5 (May 2017), pages 70–75. Reference ID: PHARMATUTOR-ART-2491. SJIF (Impact Factor): 6.586.
3. The tobacco can kill cancer – by a molecule called NAD1 which is obtained from flowers of *Nicotiana alata*. Published in *International Journal of Research in Pharmaceutical Sciences*, ISSN: 0975-7538, ICID: 1164361, pages 112–114. **UGC Approved Journal** No: 23466.
4. The Indian pharmaceutical industries should support (DCA): a new potential metabolic targeting drug available at low price for cancer treatment. Published in *Journal of Bioanalysis and Biomedicine*, ISSN: 1948-593X (Open Access).
5. A study on role of Doctor of Pharmacy in identification and reporting of adverse drug reactions in an antiretroviral therapy ward of a tertiary care teaching hospital. Published in *Pharma Tutor*, ISSN: 2347-7881, Volume 5, Issue 7 (July 2017), pages 33–42. Reference ID: PHARMATUTOR-ART-2504. SJIF: 6.586.
6. A short review on Zika virus: past, present strategies and future perspectives. Published in *Pharma Tutor*, ISSN: 2394-6679, e-ISSN: 2347-7881, Volume 4, Issue 7 (2015), pages 21–24. Reference ID: PHARMATUTOR-ART-2421. SJIF: 6.327.
7. A review on stroke prevention and management through lifestyle modifications. Published in *World Journal of Pharmaceutical Research*, Volume 5, Issue 5, pages 544–554. ISSN: 2277-7105. SJIF: 8.074, ICV: 90.8.
8. A review on newer approach in dengue treatment with Cari pill (a leaf extract of *Carica papaya*). Published in *World Journal of Pharmacy and Pharmaceutical Sciences*, Volume 5, Issue 9, pages 2108–2121. ISSN: 2278–4357. SJIF: 6.041.
9. A prospective study on role of Doctor of Pharmacy in improving quality of life of HIV patients by patient counselling in an antiretroviral therapy ward

of a tertiary care teaching hospital. Published in *Pharma Tutor*, Volume 5, Issue 9 (September 2017), Reference ID: PHARMATUTOR-ART-2524. SJIF: 6.586.

10. A study on role of Doctor of Pharmacy in drug utilization evaluation pattern analysis in inpatient units and reporting its comorbidities in a tertiary care teaching hospital. Published in *Pharma Tutor*, Volume 5, Issue 10 (October 2017), pages 55–62. Reference ID: PHARMATUTOR-ART-2529. SJIF: 6.586.
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40.A short review on dialysis and its new advancements in the field of medicine. Under Review.

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110. A review on impact of clinical pharmacy over Indian healthcare system. Under review.
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130.A study and report on impact of clinical pharmacy over KAP (Knowledge, Attitude and Practice) in assessment in self-screening of gynaecological health – aiming at healthy women in India with promotion of awareness in prevention of gynaecological cancers – A community-based health related project. Published in Research & Reviews: A Journal of Bioinformatics Volume 8, No 2 (2021) under STM Journals **(U.G.C Approved Journals). (UGC Approved India).**

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140. A prospective study on OTC drug safety surveillance to promote optimization in rational drug usage. (Under review)

141. An evidence-based research study on impact of coffee and tea beverages on iron absorption and anaemia. (Under review)

142. A study and report of impact of pharmacovigilance and drug safety monitoring practices in promotion of rational drug usage in general medicine department of hospital. Published in Volume 8, Issue 2 (2021), *Research & Reviews: A Journal of Pharmacognosy* under STM Journals (U.G.C Approved Journals). (UGC Approved India).

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153.A systematic review and meta-analysis over vaccine vigilance (secondary research): a detailed report on COVID-19 vaccine safety. (Under review)

154.A population-based study on drug allergies: an evidence-based update on its epidemiology and risk factors. (Under review)

155.An evidence-based research on impact and validation of MFRS (Medication Fall Risk Score and Evaluation Tools) and DART (Drug Associated Risk Tools) in drug safety evaluation among special populations. (Under review)

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167.A prospective study on OTC drug safety surveillance to promote optimization in rational drug usage. (Under review).

168.An evidence-based research study on impact of coffee and tea beverages on iron absorption and anaemia. (Under review).

169.A study and report of impact of pharmacovigilance and drug safety monitoring practices in promotion of rational drug usage in general medicine department of hospital. Published in Volume 8, Issue 2 (2021), *Research & Reviews: A Journal of Pharmacognosy* under STM Journals (U.G.C Approved Journals). (UGC Approved India).

170.A cosmetic study on Neem (*Azadirachta indica*) oil extracts over the management of alopecia with dermatitis. Published in Volume 11, Issue 3 (2021), *Research & Reviews: A Journal of Pharmacology* under STM Journals (U.G.C Approved Journals). (UGC Approved India).

171.A brief review on plasma cell therapy. (Under review).

172.A brief review on impact of air pollution on human health. Published in Volume 11, Issue 2 (2021), *Research & Reviews: A Journal of Health Toxicology* under STM Journals (U.G.C Approved Journals). (UGC Approved India).

173.A research study on impact of pharmacovigilance implications over OTC drug safety surveillance in optimization of rational drug usage. Accepted for publication in *Trends in Drug Delivery* under STM Journals (**U.G.C Approved Journals**). (**UGC Approved India**).

174.A study and report on impact of clinical pharmacy on vaccine safety, vaccine vigilance, ADR assessment and reporting among paediatrics during active immunization schedules in hospital. Accepted for publication in *Research & Reviews: A Journal of Immunology* under STM Journals (**U.G.C Approved Journals**). (**UGC Approved India**).

175.A study and report on impact of clinical pharmacy services over Indian healthcare system in the management of chronic disorders/diseases in hospital. Accepted for publication in *Research & Reviews: A Journal of Health Professions* under STM Journals (**U.G.C Approved Journals**). (**UGC Approved India**).

176.A prospective study on impact of clinical pharmacist interventions in management of patients with cardiovascular diseases at a tertiary care teaching hospital. Published in *Academia Journal of Health Sciences*, eISSN 2255-0569, 2022; 37(1):110-117. DOI: 10.3306/AJHS.2022.37.01.110 (**ISI Indexed**).

177.A study on hemovigilance and blood transfusion safety practices — impact of clinical pharmacist. Published in *Trends in Drug Delivery* STM Journals, Vol. 9 Issue 3, 2022, Page No. 1–14. ISSN: 2394-7286 (Journal). DOI: 10.37591/TDD. (**U.G.C Approved Journals**). (**UGC Approved India**).

178.A study on role and impact of clinical pharmacist in assessment of prescribing cascades in antibiotic usage for infectious diseases in promotion of rational drug usage. Published in *Journal of Drug Formulation, Development and Production* STM Journals, Vol. 9 Issue 3, 2022, Page No. 1–14. ISSN: 2394-1944. DOI: 10.37591/RRJoDFDP. (**U.G.C Approved Journals**). (**UGC Approved India**).

179.A critical analysis and evidence-based study on impact of sensory health screenings and its risk factors predictions in prevention of organ damages.

Published in *Research & Reviews: A Journal of Health Professions*, ISSN: 2277-6192 (Online), ISSN: 2348-9537 (Print), Volume 12, Issue 3, Page No. 27-40, 2022. DOI: 10.37591/RRJoHP. (U.G.C Approved Journals). (UGC Approved India).

180. A systematic review and meta-analysis over vaccine vigilance (secondary research): a detailed report on COVID-19 vaccine safety. (Under review).

181. A population-based study on drug allergies: an evidence-based update on its epidemiology and risk factors. (Under review).

182. An evidence-based research on impact and validation of MFRS (Medication Fall Risk Score and Evaluation Tools) and DART (Drug Associated Risk Tools) in drug safety evaluation among special populations. Published in STM Journals (U.G.C Approved Journals). (UGC Approved India).

183. A study on impact of clinical pharmacist based tool-kits in management of first aid. Published in *Research & Reviews: A Journal of Drug Design & Discovery* STM Journals, Vol. 9 Issue 3, 2022, Page No. 1–14. ISSN: 2349-9036. DOI: 10.37591/RRJoDDD. (U.G.C Approved Journals). (UGC Approved India).

184. A study on impact and outcomes of pharmacovigilance and its implications, practices over ADR identification, reporting and monitoring in promotion of rational drug usage. Accepted in STM Journals, yet to get published. *A Prospective Observational and Interventional Study on the Role of Doctor of Pharmacy/Clinical Pharmacist in Identification, Reporting and Minimization of Drug-Related Problems in Pulmonary and Cardiology Departments of ESI Hospital*. Published in *International Journal of Pharmacy and Pharmaceutical Sciences*, Vol. 13, Issue 7, March 2021 [Scopus Indexed].

185. *A Prospective Study on Impact of Clinical Pharmacist Interventions in Management of Patients with Cardiovascular Diseases in a Tertiary Care Teaching Hospital*. Published in *Academia Journal of Health Sciences*, eISSN 2255-0569, 2022; 37(1):110–117. DOI:10.3306/AJHS.2022.37.01.110 [ISI & Scopus Indexed].

186. *A Prospective Study on Role of Doctor of Pharmacy/Clinical Pharmacist in Identification and Reporting of Drug-Related Problems in Cardiology and*

Pulmonary Medicine Departments of ESI Hospital. Published in *Journal of Medical Pharmaceutical and Allied Sciences (JMPAS)*, ISSN: 2320-7418, Vol. 8, Issue 2, March 2019, pp. 2160–2174 [Scopus Indexed].

187. A Prospective Study on Role of Doctor of Pharmacy/Clinical Pharmacist in Estimating the KAP (Knowledge, Attitude, Practice) in Medication Use of Patients with Chronic Endocrine Disorders and Achievement of Medication Adherence and Improvement of Quality of Life of Patients with Advanced Patient Counselling Services in an ESI Hospital. Published in *JMPAS*, Vol. 8-I, Issue 2, March 2019, pp. 2147–2159 [Scopus Indexed].

188. A Prospective Study on Implementation of Doctor of Pharmacy/Clinical Pharmacy Services to General Medicine Department of an ESI Hospital. Published in *JMPAS*, ISSN: 2320-7418, Vol. 8, Issue 2, March 2019, pp. 2111–2124 [Scopus Indexed].

189. A Prospective Study on Role of Doctor of Pharmacy in Estimating the KAP (Knowledge, Attitude, Practice) of Self-Test for PCOD, Breast and Cervical Cancers and Creation of Awareness and Prevention Among Women with Advanced Patient Counselling Services in Obstetrics and Gynaecology Departments of an ESI Hospital. Published in *JMPAS*, Vol. 8-I, Issue 2, March 2019, pp. 2125–2134 [Scopus Indexed].

190. A Prospective Study on Role of Doctor of Pharmacy/Clinical Pharmacist in Identification and Reporting of Medication Errors in Drug Dispensary of an ESI Hospital. Published in *STM Journals – Research and Reviews: A Journal of Medicine*, Vol. 8, Issue 2, 2019, ISSN: 2249-8648 (Online) [UGC Approved].

191. A Prospective Study on Assessing the Outcomes of Doctor of Pharmacy Professional/Clinical Pharmacist in Drug and Poison Information Services. Published in *Mintage Journal of Pharmaceutical and Medical Sciences*, ISSN: 2320-3315, Vol. 8, Issue 3, 2019, pp. 27–29.

192. A Prospective Study on Role of Doctor of Pharmacy/Clinical Pharmacist in Providing Awareness on Prevention of Monkey Fever/Kyasur Forest Disease Among Public – A Community-Based Health Project. Published in *Biomedical Research Journal*, Vol. 1, Issue 1, pp. 1–5.

193. *A Study and Report on Assessment of Antibiotic Prescribing Patterns, Usage and Drug Resistance Among Various Infectious Diseases in Hospital.* Published in *Research & Reviews: A Journal of Medical Science & Technology*, Vol. 10, Issue 2, 2021 [STM Journals, UGC Approved].

194. *A Study and Report on Impact of Clinical Pharmacy Over KAP (Knowledge, Attitude, and Practice) in Assessment in Self-Screening of Gynaecological Health – Aiming at Healthy Women India with Promotion of Awareness in Prevention of Gynecological Cancers – A Community-Based Health-Related Project.* Published in *Research & Reviews: A Journal of Bioinformatics*, Vol. 8, No. 2, 2021 [STM Journals, UGC Approved].

195. *A Study on Assessment of Impact of Mobile Phones on Incidence and Prevalence of Stress-Related Sleep Disorders Among Young Adults.* Published in *Mintage Journal of Pharmaceutical and Medical Sciences*, ISSN: 2320-3315 [Publons and Google Scholar Indexed].

196. Khan Z, Rekha MM, Hiremath SRR, Shapur SR. A comprehensive study on antibiotic prophylaxis practices across diverse surgical modalities. J Pharm Care. 2025;13(2):93-100. doi:10.18502/jpc.v13i2.19307

Editorial positions for the scientific journals

Professional Memberships

1. Fellow Member in Society of Applied Biotechnology approved by Govt.of. India
2. Fellow Member in Scholars Academic &Scientific society (registered undersocietyregistrationactXXIof1860, India. Registration No: NG/254/N/50of 2014-12015 approved by Govt.of. India).
3. APTI (ASSOCIATION OF PHARMACEUTICAL TEACHERS OF INDIA) Life Time Member of approved by Govt.of. India **MEMBERSHIP ID - KA/LM-1563.**
4. Life Time Member of Teaching and Research Association (TERA) with **MEMBERSHIP ID: TERA-M110454.**
5. Achieved Life Time Membership Category In Scientific and Technical Research Association(STRA) with **MEMBERSHIP ID: STRA- M19577.**
6. (2022-2023) Annual Membership with International American Council for Research and Development 2015SORCHID Street, Apartment Aurora Illinois 61801, USA.
7. (2023-2024). Annual Membership with the European Council for higher education and Research, UNITED KINGDOM, UK.

Name of the Research Projects Guided/Handled

Duration	Title / Study Description	Institution
October 2018 – March 2019	A prospective study on role of Doctor of Pharmacy in assessing the KAP (knowledge, attitude, practice) of self-test for PCOD, cervical and breast cancer among women and creating awareness with advanced patient counselling services in Obstetrics and Gynaecology department of AESI Hospital.	Gautham College of Pharmacy, affiliated to AESI Hospital, Bangalore, Karnataka, India
October 2018 – March 2019	A prospective study on role of Doctor of Pharmacy in identification and reporting of drug-related problems in Pulmonary and Cardiology departments of AESI Hospital.	Gautham College of Pharmacy, affiliated to AESI Hospital, Bangalore, Karnataka, India
October 2018 – March 2019	A prospective study on role of Doctor of Pharmacy in assessing KAP (knowledge, attitude, practice) of medication usage among the patients with endocrine disorders and achievement of medication adherence and improvement of quality of life and minimization of complications through advanced patient counselling services in AESI Hospital.	Gautham College of Pharmacy, affiliated to AESI Hospital, Bangalore, Karnataka, India
October 2018 – March 2019	A research study on role of pharmacist in creation of awareness on quitting of smoking – a public health related project.	Gautham College of Pharmacy, affiliated to AESI Hospital, Bangalore, Karnataka, India
August 2018 – January 2019	A prospective study on role of Doctor of Pharmacy in identification and reporting of medication errors in outpatient drug dispensary of AESI Hospital.	Gautham College of Pharmacy, affiliated to AESI Hospital, Bangalore, Karnataka, India

Name of the Research Projects Guided/Handled

Name of the Project	Conducted Site	Duration of Period
Prospective Study on Implementation of Clinical Pharmacy Services to General Medicine Department in a Tertiary Care Teaching Hospital (Main Academic Project, Published)	ANCP affiliated to Rajiv Gandhi Institute of Medical Sciences, Kadapa - 516126, A.P., India	October 2015 for a period of 6 months - June 2016
A Study on Role of Clinical Pharmacist in Identification and Reporting of Drug Interactions in Psychiatric Ward in a Tertiary Care Teaching Hospital (Published)	ANCP affiliated to Rajiv Gandhi Institute of Medical Sciences, Kadapa - 516126, A.P., India	November 2016 for a period of 2 months - January 2017
A Study on Role of Doctor of Pharmacy in Identification and Reporting of Adverse Drug Reactions in an Antiretroviral Therapy Ward of a Tertiary Care Teaching Hospital (Published)	ANCP affiliated to Rajiv Gandhi Institute of Medical Sciences, Kadapa - 516126, A.P., India	July 2016 for a period of 7 months - February 2017
A Prospective Study on Role of Doctor of Pharmacy in Improving Quality of Life of HIV Patients by Patient Counselling in an Antiretroviral Therapy Ward of a Tertiary Care Teaching Hospital (Published)	ANCP affiliated to Rajiv Gandhi Institute of Medical Sciences, Kadapa - 516126, A.P., India	March 2015 for a period of 24 months - March 2017
A Study on Role of Doctor of Pharmacy in Drug Utilization Evaluation Pattern Analysis in Inpatient Units and Reporting Its Co-morbidities in a Tertiary Care Teaching Hospital (Published)	ANCP affiliated to Rajiv Gandhi Institute of Medical Sciences, Kadapa - 516126, A.P., India	February 2016 for a period of 12 months - February 2017
A Study on Role of Doctor of Pharmacy in Identifying and Reporting of Drug-Related Problems and Its Co-morbidities in Inpatient Units of a Tertiary Care Teaching Hospital (Published)	ANCP affiliated to Rajiv Gandhi Institute of Medical Sciences, Kadapa - 516126, A.P., India	March 2016 for a period of 12 months - March 2017
A Research and Report on Clinical Pharmacy Services Provided by Doctor of Pharmacy During Their Clerkship and Internship Postings to a Tertiary Care Teaching Hospital	ANCP affiliated to Rajiv Gandhi Institute of Medical Sciences, Kadapa - 516126, A.P., India	For a period of two years from October 2015 to July 2017

<p>A Research Study on Synthesis, Characterization, and Antimicrobial Activity of Silver Nanoparticles Using Echinocloa Colona Leaf Extract (Published)</p>	<p>Collaboration with C. Reddy Kumar For a period Rami Reddy Memorial College of of 5 months Pharmacy, Y.S.R Kadapa District, during 2015- Andhra Pradesh, India (Co-author) 2016</p>
<p>A Study on Identification of Risk Factors in Developing Polycystic Ovarian Syndrome Among Teenagers and Minimizing Them by Lifestyle Modifications through Advanced Patient Counselling by Doctor of Pharmacy (Published)</p>	<p>Bahudha Women's Hostel affiliated to Annamacharya College of Pharmacy, New Boyanapalli, Rajampet, S. R. Kadapa District, Andhra Pradesh, India</p>
<p>A Study on Estimating and Creating Awareness of Breast Cancer Among Teenagers by Doctor of Pharmacy (Published)</p>	<p>Bahudha Women's Hostel affiliated to Annamacharya College of Pharmacy, New Boyanapalli, Rajampet, S. R. Kadapa District, Andhra Pradesh, India</p>
<p>A Research Study on Antiulrolithiatic Activity of Acacia Sinuata Pods on Ethylene Glycol Induced Renal Calculi Rats (Published)</p>	<p>ANCP, Rajampet, Y.S. R. Kadapa - 516126, A.P., India</p>
<p>A Study on Creating Awareness Among Women on How to Maintain Good Health with Good Nutrition and How to Maintain Life as Disease-Free by Doctor of Pharmacy (Published)</p>	<p>Bahudha Women's Hostel affiliated to Annamacharya College of Pharmacy, New Boyanapalli, Rajampet, S. R. Kadapa District, Andhra Pradesh, India</p>
<p>A Prospective Study on Role of Doctor of Pharmacy in Creating Awareness on HPV Vaccination for Prevention of Cervical Cancer Among Women Patients of a Tertiary Care Teaching Hospital (Published)</p>	

Name of the Research Projects Guided/Handled

October 2018 – March 2019	A study on role of pharmacist in providing advanced patient counselling in medication usage in General Medicine department of AESI Hospital.	Gautham College of Pharmacy, affiliated to AESI Hospital, Bangalore, Karnataka, India
September 2018 – December 2018	A prospective study on assessing the outcomes of Doctor of Pharmacy professional/clinical pharmacist in drug and poison information services.	Gautham College of Pharmacy, affiliated to AESI Hospital, Bangalore, Karnataka, India
October 2018 – April 2019	A prospective study on role of Doctor of Pharmacy in estimating the KAP (knowledge, attitude, practice) of self-test for PCOD, breast and cervical cancers and creation of awareness and prevention among women with advanced healthcare counselling.	Gautham College of Pharmacy, affiliated to AESI Hospital, Bangalore, Karnataka, India
October 2018 – March 2019	A prospective study on role of Doctor of Pharmacy in assessing KAP (knowledge, attitude, practice) in insulin usage among patients with diabetes mellitus and creating awareness with advanced patient counselling.	Gautham College of Pharmacy, affiliated to AESI Hospital, Bangalore, Karnataka, India
January 2019 – March 2019	Formulation and evaluation of fast dissolving tablets of Nislodipine using different superdisintegrants. Worked in collaboration with BP. Parameshwara, Dept. of Pharmaceutics.	Gautham College of Pharmacy, affiliated to AESI Hospital, Bangalore, Karnataka, India
January 2019 – March 2019	Formulation and development of Bilastine tablets 200 mg. Worked in collaboration with Kandukuri Rekha, Dept. of Pharmaceutics.	Gautham College of Pharmacy, affiliated to AESI Hospital, Bangalore, Karnataka, India
March 2019 – May 2019	A prospective study on role of Doctor of Pharmacy/clinical pharmacist in application of therapeutic drug monitoring principles and dose adjustments of patients suffering with liver and renal failures.	Gautham College of Pharmacy, affiliated to AESI Hospital, Bangalore, Karnataka, India

April 2021 – August 2021	A cosmetic study on neem (Azadirachta indica) oil extracts over the management of alopecia and dermatitis.	Gautham College of Pharmacy
May 2021 – July 2021	A cosmetic study on neem (Azadirachta indica) oil extracts over the management of alopecia with dermatitis.	Gautham College of Pharmacy
May 2021 – July 2021	A prospective study on role of Doctor of Pharmacy in implementation of clinical pharmacy services to General Medicine department of AESI Hospital.	Gautham College of Pharmacy, affiliated to AESI Hospital, Bangalore, Karnataka, India

Duration	Project Title	Institution
August 2019 – September 2019	A Prospective Study on Role of Doctor of Pharmacy/Clinical Pharmacist in Providing Awareness on Prevention of Monkey Fever/Kayasanur Forest Disease Among Public – A Community Based Health Project.	Gautham College of Pharmacy, Affiliated to ESI Hospital, Bangalore, Karnataka, India.
August 2019 – September 2019	A Prospective Study on Role of Doctor of Pharmacy/Clinical Pharmacist in Providing Awareness and Counselling on Preventive Measures to be Taken While Breastfeeding.	Gautham College of Pharmacy, Affiliated to ESI Hospital, Bangalore, Karnataka, India.
August 2019 – September 2019	A Prospective Study on Role of Doctor of Pharmacy/Clinical Pharmacist in Providing Awareness on Vaccination for Children Among Public – A Health Awareness Research Work.	Gautham College of Pharmacy, Affiliated to ESI Hospital, Bangalore, Karnataka, India.
October 2019 – March 2020	A Prospective Study on Role of Doctor of Pharmacy/Clinical Pharmacist in Application of Therapeutic Drug Monitoring Principles in Dose Adjustment of Patients Suffering with Chronic Liver and Renal Failures and Achievement of Rational Drug Usage.	Gautham College of Pharmacy, Affiliated to ESI Hospital, Bangalore, Karnataka, India.
October 2019 – March 2020	A Prospective Study on Assessing the Role and Impact of Doctor of Pharmacy/Clinical	Gautham College of Pharmacy, Affiliated to ESI

Pharmacist Services in the Present Indian Healthcare System.		Hospital, Bangalore, Karnataka, India.
10-08-2019 – 25-08-2019	Public Health Related Project: A Prospective Study on Role of Doctor of Pharmacy/Clinical Pharmacist in Providing Awareness on Prevention of Monkey Fever/Kayasanur Forest Disease Among Public – A Community Based Health Project.	Gautham College of Pharmacy, Affiliated to ESI Hospital, Bangalore, Karnataka, India.
12-06-2019 – 01-09-2019	A Study on Assessing KAP (Knowledge, Attitude, Practice) in Childhood Vaccinations Among Pregnant Women in Obstetrics and Gynaecology Departments of ESI Hospital.	Gautham College of Pharmacy, Affiliated to ESI Hospital, Bangalore, Karnataka, India.
04-08-2019 – 15-09-2019	A Study on Assessing KAP (Knowledge, Attitude, Practice) in Safe Practices of Breastfeeding Among Pregnant Women in Gynaecology Department of ESI Hospital.	Gautham College of Pharmacy, Affiliated to ESI Hospital, Bangalore, Karnataka, India.
01-08-2019 – 18-09-2019	A Prospective Study on Role of Doctor of Pharmacy/Clinical Pharmacist in Prescription Analysis and Identification, Reporting and Minimization of Medication Related Problems.	Gautham College of Pharmacy, Affiliated to ESI Hospital, Bangalore, Karnataka, India.
October 2019 – March 2020	A Study on Role and Impact of Clinical Pharmacist in Empowering the Public Towards Quitting of Smoking and Alcoholic Addictions – Aiming Healthy India. (Community Based Health Project)	Gautham College of Pharmacy, Bangalore, Karnataka, India.
November 2018 – November 2019	A Study on Assessment of Impact of Mobile Phones on Incidence and Prevalence of Stress Related Sleep Disorders Among Young Adults. (Community Based Health Project)	Gautham College of Pharmacy, Bangalore, Karnataka, India.
October 2019 – January 2020	A Study on Assessment of Risk Factors Responsible for Incidence, Prevalence of Anxiety Disorders Among Young Adults. (Community Based Health Project)	Gautham College of Pharmacy, Bangalore, Karnataka, India.
November 2019 – January 2020	A Study and Report of Safety of Drug Usage Among Specialized Populations. (Community Based Health Project)	Gautham College of Pharmacy, Affiliated to ESI Hospital, Bangalore, Karnataka, India.

December 2019 – May 2020	A Research Study on Drug Resistance Due to Irrational Use of OTC Drugs Among Public. (Community Based Health Project)	Gautham College of Pharmacy, Bangalore, Karnataka, India.
November 2019 – January 2020	A Comparative Analysis of Impact of Eucalyptus Oil Usage and Antihistamines on Allergic Rhinitis. (Community Based Health Project)	Gautham College of Pharmacy, Bangalore, Karnataka, India.
November 2019 – January 2020	A Research Study on Impact of Betel Nut Chewing on Human Health Conditions. (Community Based Health Project)	Gautham College of Pharmacy, Bangalore, Karnataka, India.
December 2019 – May 2020	A Study and Report of Drug Usage Among Specialized Populations. (Community Based Health Project)	Gautham College of Pharmacy, Affiliated to ESI Hospital, Bangalore, Karnataka, India
Duration	Project Title	Institution
August 2019 – September 2019	A Prospective Study on Role of Doctor of Pharmacy/Clinical Pharmacist in Providing Awareness on Prevention of Monkey Fever/Kayasanur Forest Disease Among Public – A Community Based Health Project.	Gautham College of Pharmacy, Affiliated to ESI Hospital, Bangalore, Karnataka, India.
August 2019 – September 2019	A Prospective Study on Role of Doctor of Pharmacy/Clinical Pharmacist in Providing Awareness and Counselling on Preventive Measures to be Taken While Breastfeeding.	Gautham College of Pharmacy, Affiliated to ESI Hospital, Bangalore, Karnataka, India.
August 2019 – September 2019	A Prospective Study on Role of Doctor of Pharmacy/Clinical Pharmacist in Providing Awareness on Vaccination for Children Among Public – A Health Awareness Research Work.	Gautham College of Pharmacy, Affiliated to ESI Hospital, Bangalore, Karnataka, India.
October 2019 – March 2020	A Prospective Study on Role of Doctor of Pharmacy/Clinical Pharmacist in Application of Therapeutic Drug Monitoring Principles in Dose Adjustment of Patients Suffering with Chronic Liver and Renal Failures and Achievement of Rational Drug Usage.	Gautham College of Pharmacy, Affiliated to ESI Hospital, Bangalore, Karnataka, India.

October 2019 – March 2020	A Prospective Study on Assessing the Role and Impact of Doctor of Pharmacy/Clinical Pharmacist Services in the Present Indian Healthcare System.	Gautham College of Pharmacy, Affiliated to ESI Hospital, Bangalore, Karnataka, India.
10-08-2019 – 25-08-2019	Public Health Related Project: A Prospective Study on Role of Doctor of Pharmacy/Clinical Pharmacist in Providing Awareness on Prevention of Monkey Fever/Kayasanur Forest Disease Among Public – A Community Based Health Project.	Gautham College of Pharmacy, Affiliated to ESI Hospital, Bangalore, Karnataka, India.
12-06-2019 – 01-09-2019	A Study on Assessing KAP (Knowledge, Attitude, Practice) in Childhood Vaccinations Among Pregnant Women in Obstetrics and Gynaecology Departments of ESI Hospital.	Gautham College of Pharmacy, Affiliated to ESI Hospital, Bangalore, Karnataka, India.
04-08-2019 – 15-09-2019	A Study on Assessing KAP (Knowledge, Attitude, Practice) in Safe Practices of Breastfeeding Among Pregnant Women in Gynaecology Department of ESI Hospital.	Gautham College of Pharmacy, Affiliated to ESI Hospital, Bangalore, Karnataka, India.
01-08-2019 – 18-09-2019	A Prospective Study on Role of Doctor of Pharmacy/Clinical Pharmacist in Prescription Analysis and Identification, Reporting and Minimization of Medication Related Problems.	Gautham College of Pharmacy, Affiliated to ESI Hospital, Bangalore, Karnataka, India.
October 2019 – March 2020	A Study on Role and Impact of Clinical Pharmacist in Empowering the Public Towards Quitting of Smoking and Alcoholic Addictions – Aiming Healthy India. (Community Based Health Project)	Gautham College of Pharmacy, Bangalore, Karnataka, India.
November 2018 – November 2019	A Study on Assessment of Impact of Mobile Phones on Incidence and Prevalence of Stress Related Sleep Disorders Among Young Adults. (Community Based Health Project)	Gautham College of Pharmacy, Bangalore, Karnataka, India.
October 2019 – January 2020	A Study on Assessment of Risk Factors Responsible for Incidence, Prevalence of Anxiety Disorders Among Young Adults. (Community Based Health Project)	Gautham College of Pharmacy, Bangalore, Karnataka, India.

November 2019 – January 2020	A Study and Report of Safety of Drug Usage Among Specialized Populations. (Community Based Health Project)	Gautham College of Pharmacy, Affiliated to ESI Hospital, Bangalore, Karnataka, India.
December 2019 – May 2020	A Research Study on Drug Resistance Due to Irrational Use of OTC Drugs Among Public. (Community Based Health Project)	Gautham College of Pharmacy, Bangalore, Karnataka, India.
November 2019 – January 2020	A Comparative Analysis of Impact of Eucalyptus Oil Usage and Antihistamines on Allergic Rhinitis. (Community Based Health Project)	Gautham College of Pharmacy, Bangalore, Karnataka, India.
November 2019 – January 2020	A Research Study on Impact of Betel Nut Chewing on Human Health Conditions. (Community Based Health Project)	Gautham College of Pharmacy, Bangalore, Karnataka, India.
December 2019 – May 2020	A Study and Report of Drug Usage Among Specialized Populations. (Community Based Health Project)	Gautham College of Pharmacy, Affiliated to ESI Hospital, Bangalore, Karnataka, India.

Institution	Project Title
Aditya Bangalore Institute of Pharmacy Impact of Cosmetovigilance Over Safety of Education and Research (ABIPER), Bangalore Cosmetics Usage – A Community Based Study	
Aditya Bangalore Institute of Pharmacy Medication Therapy Management Education and Research (ABIPER), Bangalore	The Impact of Clinical Pharmacist-Based Interventions in Promotion of Rational Drug Usage Among General Medicine Departments of Healthcare Settings
Aditya Bangalore Institute of Pharmacy Education and Research (ABIPER), Bangalore	A Study and Report on Vaccine Safety, Vaccine Vigilance, ADR Assessment and Reporting of Various Vaccines in Healthcare Settings – A Community Based Study

Aditya Bangalore Institute of Pharmacy Education and Research (ABIPER), Bangalore	A Study on Assessment of Long-Term Adverse Events Regarding Different COVID-19 Vaccine Regimens – A Community Based Ambispective Cohort Study
Aditya Bangalore Institute of Pharmacy Education and Research (ABIPER), Bangalore	Impact and Outcomes of Air Pollution Over Pulmonary Health Outcomes – A Population-Based Surveillance
Aditya Bangalore Institute of Pharmacy Education and Research (ABIPER), Bangalore	A Study and Report on Impact of Alkaline Water Therapy Over the Management of Metabolic Disorders
Aditya Bangalore Institute of Pharmacy Education and Research (ABIPER), Bangalore	A Study on Investigation of Antibiotic Prophylaxis Practices and Pain Management Across Diverse Surgical Modalities: A Comprehensive Assessment of Surgical Site Infection Prevention and Postoperative Pain Control

FDPs Trained /Attended

FDP Type	Title	Date	Organizer	Certificate ID / Status
Key Speaker	e-FDP: <i>Contemporary & Emerging Technologies in the Medical and Pharmacy Sector (Bioinformatics talk)</i>	26th–30th May 2025	Nirmala College of Pharmacy, Kadapa & Sree Venkateswara College of Pharmacy, Nellore	Certificate of Appreciation
Certified	1-week FDP on <i>Materiovigilance</i>	–	MS Ramaiah University, ATAL	Completed & Certified
Participation	FDP: <i>Innovations in Drug Monitoring & Personalized Medicine</i>	18th–22nd July 2023	Dayananda Sagar University, Bangalore	–
Participation	5-day Online FDP on <i>Strategies to Overcome Challenges in Pharmacology and Drug Development</i>	28th July – 1st Aug 2025	Dattakala Institute of Pharmaceutical Science & Research in collaboration with ABPA, Maharashtra State Branch	–

CURRENT ONGOING PROJECTS

Title of the Project	Study Site
<i>Clinical Pharmacist-Based Analytical Surveillance Study & Reports on TB Treatment Protocols in New Policy and Guidelines Development</i>	Govt. TB Office, Jayanagar 4th Block, Bangalore
<i>Clinical Pharmacist-Led Antimicrobial Therapy Management Using Antimicro.ai: Reducing</i>	Apex Multi-Specialty Hospital, Bangalore

Antibiotic Resistance and Adverse Events	
<i>Evaluation of Impact and Outcomes of ChatGPT in Implementation of Clinical Pharmacy Services in Medical Oncology Department of Multi-Specialty Hospital</i>	MEDAX Hospitals (Approval Obtained)
<i>Pharmacist-Led Digital Pharmacovigilance: Enhancing Community Pharmacy-Based ADR Reporting Through Mobile Apps - Barriers and Enablers</i>	Community-Based Project

Research IDs

GOOGLE SCHOLAR PROFILE LINK:

https://scholar.google.com/citations?hl=en&user=lsQ2gcAAAAJ&view_op=list_works&gmla=AJsN-F6X_UlgXUTDLCA58nUHEyb6O601cvZb57YTCvuzxh5zxnw1sPHOx4RsBJ8TvaBd0ArC0j-way1_10VeTdVvW_lpsP-Bg

RESEARCH GATE PROFILE LINK:

<https://www.researchgate.net/profile/Mekkanti-Rekha/unconfirmed?acceptedAuthorUid=2137140391>

LINKED IN PROFILE LINK:

<https://www.linkedin.com/in/manasa-rekha-mekkanti-3525a315a>

ORCID ID:

Editorial and Reviewer Positions in Reputed Scientific Journals

- Currently serving as Associate Editor at *ChemBio Publishers* – Current Scientific Research in Biomedical Sciences (CSRBS).
- Currently serving as a Peer Reviewer for *World Journal of Pharmacy and Pharmacology, Premier Publishers*.
- Scientific Reviewer for the *Journal of Medical, Pharmaceutical, and Allied Sciences*, an online research journal.
- Currently serving as Associate Editor at *Asian Journal of Research in Pharmaceutical Sciences (A & V Publications)*.
- Currently serving as Associate Editor for *Research Journal of Pharmacology and Pharmacodynamics (A & V Publications)*.
- Scientific Reviewer and Editorial Board Member at *Pharma Tutor Magazine and Journal* – ranked the Best Indian Pharma Website and 4th globally.
- Scientific Reviewer and Editorial Board Member for *STM Journals (UGC Approved)*.
- Scientific Reviewer and Editorial Board Member at *International Journal of Pharmacy and Chemistry (Science Publishing Group, USA)*.
- Advisory Board Member of the *World Journal of Pharmaceutical Research*.

- Associate Editor for *International Journal of Medical and Pharmaceutical Research*.
- Advisory Board Member for *World Journal of Pharmacy and Pharmaceutical Sciences*.
- Editor for *Journal of Biomedical Research* and *Journal of Neurology*.
- Associate Editor at *BioInfo Publications Journal*.
- Editorial Board Member and Reviewer for the *World Journal of Current Medical and Pharmaceutical Research*.
- Review Member of the *International Journal of Research and Analytical Reviews*.
- Editor in *EC Emergency Medicine and Critical Care Journal*.
- Editor in *Asian Journal of Hospital Pharmacy*.
- Peer Review Member of *IAARHIES – The Society of Academic Research (Registered)*.
- Currently working as Editor for the *Rivista Medicine Journal*.
- Currently working as a Reviewer for the *Journal of Medicine*.
- Currently working as a Reviewer for the *Saudi Journal of Medical and Pharmaceutical Journal*.
- Currently working as a Reviewer for the *Saudi Journal of Biomedical Research*.
- Associate Editor of the *International Journal of Pharmacy and Pharmaceutical Science, Sparkling Press*.
- Certificate of Excellence in Peer-Reviewing by BP International
 - Certificate No: BPI/PR/Cert/8548A/DRM
 - In recognition of the outstanding contribution to the book.

List of Associated Journals

- **International Journal of Multidisciplinary Research and Modern Education** (ISSN: 2454-6119)
- **International Journal of Biomedical Engineering and Modern Education** (ISSN: 2455-4200)
- **International Journal of Scientific Research and Modern Education** (ISSN: 2455-5630)
- **International Journal of Current Research and Modern Education** (ISSN: 2455-5428)

- **International Journal of Applied and Advanced Scientific Research** (ISSN: 2456-3080)
- **International Journal of Computational Research and Development** (ISSN: 2456-3137)
- **International Journal of Interdisciplinary Research in Arts and Humanities** (ISSN: 2456-3145)
- **International Journal of Advanced Trends in Engineering and Technology** (ISSN: 2456-4664)
- **International Journal of Recent Research and Applied Studies** (ISSN: 2439-4891)
- **Indo-American Journal of Multidisciplinary Research and Review** (ISSN: 2581-6292)
- **Star Research – An International Online Journal** (ISSN: 2321-676X)

Credential Courses by WHO (World Health Organization)

Course/Training Title	Certificate Type
Infection Prevention and Control (IPC) for COVID-19 Virus	Confirmation of Participation Certificate
Antimicrobial Stewardship: A Competency-Based Approach	Certificate of Participation Certificate
Cholera: Introduction	Confirmation of Participation Certificate
ePROTECT Respiratory Infections (EN)	Record of Achievement Certificate
Guidance on Mask Use in the Context of COVID-19	Record of Achievement Certificate
Transmission-Based Precautions	Record of Achievement Certificate
Introduction to Poliomyelitis and the Global Polio Eradication Initiative	Record of Achievement Certificate
ePROTECT Ebola (EN)	Record of Achievement Certificate
Crimean-Congo Haemorrhagic Fever: Introduction	Confirmation of Participation Certificate
Lassa Fever: Introduction	Confirmation of Participation Certificate

Plague: Introduction Confirmation of Participation Certificate	
Rift Valley Fever: Introduction Confirmation of Participation Certificate	
Yellow Fever: Introduction Confirmation of Participation Certificate	
Zika: Introduction Confirmation of Participation Certificate	
Public Health Interventions in Pandemics and Epidemics	Confirmation of Participation Certificate
Pandemic Influenza: Introduction Record of Achievement Certificate	
Monkeypox: Introduction Record of Achievement Certificate	
Learning How to Use COVID-19 Vaccine Introduction and Development (CVIC) Costing Tool	Confirmation of Participation Certificate / Record of Achievement Certificate
SARS-CoV-2 Antigen Rapid Diagnostic Testing Record of Achievement Certificate	
Influenza Prevention and Control Confirmation of Participation Certificate	
Recognizing and Managing of Anaphylaxis Confirmation of Participation Certificate	
Introduction to Marburg Virus Disease Confirmation of Participation Certificate	
Health Emergency Disaster Risk Management for Resilient Cities	Confirmation of Participation Certificate
Infection Prevention and Control in Maternal and Neonatal Care	Confirmation of Participation Certificate
Basic Microbiology Record of Achievement Certificate	
COVID-19 Respiratory Equipment Confirmation of Participation Certificate	
Ultra Low Temperature Vaccine Management Confirmation of Participation Certificate	
Monkeypox: Introductory Course for African Outbreak Contexts	Record of Achievement Certificate
Malaria Elimination Training Course Confirmation of Participation Certificate	

Current Ongoing Books/Book Chapter Works

1. Sushma M, Hiremath SRR, Rekha MM, Mantargi MJS. Challenges in AI implementation for personalized cancer medication. Textbook: Artificial Intelligence for Cancer: Trends in AI Models for

Cancer Detection and Personalized Medicine. Bentham Books; [2025]. p. [page range]. Contributed Chapter 13.

2. *Muchukota S, Ramya CV, Mekkanti MM, Khan Z, Hire math SRR.*. AI DRIVEN OPTICAL IMAGING AND SPECTROSCOPIC TECHNIQUES. Textbook: Intelligent Micro Plastic Monitoring: Transforming Detection with AI. Wiley Publication; [2025]. p. [page range]. Contributed Chapter 04

Hospitals/ Research Organizations/Industries worked in collaboration for Research

1. Rajiv Gandhi Institute of Medical Sciences, Kadapa Putlampalli, Kadapa, Andhra Pradesh – 516002, India 08562-220200, 278077 <http://rimskadapa.in> directorrimskadapa@yahoo.com

2. ESI Hospital, Service Road, Indira Nagar 2nd Stage, Bangalore - 560038, Karnataka, India. Phone Number: 08025266993, 08025266994.

3. Akash Medical College Bangalore, Prasannahalli Main Road, Near Kempegowda International Airport, Devanahalli, Bangalore Karnataka, Karnataka 562110 www.akashinstitutions.com Phone Number: 08071 159 900.

4. M.S. Ramaiah University of Applied Sciences is located at University

Hospitals/ Research Organizations/Industries worked in collaboration for Research

5. District TB Hospital, Jayanagar 4th Block, Bangalore Near Jayanagar General Hospital, Jayanagar 4th Block, Bangalore, Karnataka, India – 560041 Phone Number: +(91)-9449843215, 26530633.
6. Medax Hospital RT Nagar No. 33-34 Star Avenue Sulthan Palya Main Road, Post, RT Nagar, Bengaluru, Karnataka, India. 080-68089777/88/66/55/00· medaxhospitals.com.
7. Apex Polyclinic & Diagnostic Centre, Yelahanka, Bangalore,, Yelahanka, near Reva University, Bangalore, Karnataka, India.
8. Cytec care Hospitals Bangalore, Venkatala, Near Bagalur Cross, Yelahanka, Bengaluru, Karnataka, India. 560064 cytec care.com Phone Number: 1800-123-6767 enquiry@cytec care.com.
9. **Taluk Health officer office THO Office General Hospital Yelahanka:** Address: Railway station road, Gandhi Nagar, Yelahanka Old Town, Bangalore North-560064, Karnataka, India. Contact Number: 080-28563885.
10. **worked with Government Hospitals and Primary Health Care Centres located in Yelahanka North Karnataka, India approval from**

Event / Award Details

SSLC PRIMARY AND SECONDARY SCHOOL EDUCATION

Sri C. V. Raman Council of Educational Awards, State Level Talent Test held on 7th March 2004, India	Awarded Young Genius Award in Class 6th, State Rank: 81, District Rank: 1
State Level Science Talent Search Examination (SLSTSE) 2003, India	Awarded State 26th Rank in Class 5th
Awarded School 1st Rank, District 14th Rank	
Indian Maths Marathon 2005 National Rank: 343 in Class 8th	
Attended State Level Science Fair organized by Govt in Kadapausthavalu, A.P., India	Awarded State 1st in Science Fair (Class 6th)
State Level Science Talent Search Examination (SLSTSE) 2005, India	Awarded State 180th Rank in Class 7th
Sri C. V. Raman Council of Educational Awards, State Level Talent Test held on 27th Feb 2005, India	District 6th Rank in Class 7th

Awarded State 331st Rank	
Aryabhata Educational Awards - 2005 State Level Science and Maths Talent Test held on 23rd Jan 2005, India	Awarded State 24th Rank and District 3rd Rank in Class 7th
Jana Vignana VediKA Talent Search Exam, A.P., India Awarded 1st Prize	
Dhakshina Bharath Hindi Prachar Sabha, Madras, Pradhamika Hindi Exam	Awarded District 1st Prize
A.P. State Level Children Art Competition 2003, India Awarded 1st Prize	

Skills & Techniques

Clinical Trials Management	Designing, coordinating, and monitoring clinical trials in infectious diseases, genetics, and cancer biology.
Drug Discovery & Development	Identification of novel molecular entities and strategic drug repurposing initiatives.
Biomedical Research	Elucidation of disease mechanisms through advanced in vitro and in vivo experimental models.
Pharmacological & Toxicological Studies	Performing comprehensive preclinical pharmacology and toxicity evaluations for new and existing therapeutics.
Pharmacogenomics	Genetic variation analysis to optimize drug response and facilitate personalized medicine approaches.
Pharmacoepidemiology	Large-scale assessment of drug utilization patterns and real-world drug effects.
Pharmacoconomics	Conducting cost-effectiveness and health economic analyses for pharmaceutical interventions.
Epigenetic Studies	Investigating epigenetic modifications and their role in disease pathology and therapeutic outcomes.
Clinical Pharmacokinetics	Quantitative measurement and modelling of drug absorption, distribution, metabolism, and elimination.

Pharmacometrics	Application of modelling and simulation techniques to pharmacokinetic and pharmacodynamics data for optimized dosing.
Operational Research	Utilizing research methodologies to improve healthcare delivery and optimize drug utilization.
Pharmacodynamics & Therapeutic Drug Monitoring (TDM)	Monitoring and optimizing drug concentrations and therapeutic effects to ensure patient safety and efficacy.
Pharmacy Practice Research	Implementation of clinical pharmacy services, medication therapy management, and patient-centred care models.
Digital Health & Telepharmacy	Application of telemedicine, remote patient monitoring, and digital tools to enhance pharmaceutical care delivery.
Artificial Intelligence (AI) in Pharmacy	Utilizing AI-driven predictive modeling, machine learning algorithms for drug discovery, adverse event prediction, and personalized medicine.
Big Data Analytics	Analysis of large healthcare datasets to identify trends, optimize drug therapies, and support clinical decision-making.
Pharmacovigilance & Real-World Evidence	Monitoring drug safety post-marketing through electronic health records and real-world data analysis.
Nanotechnology in Drug Delivery	Designing and evaluating nano-formulations for targeted and controlled drug delivery systems.

Interested Interdisciplinary Collaborative Research Areas

Research Area	Focus
Bioinformatics Integration in Therapeutics	Application of computational tools for drug-target prediction, adverse drug reaction profiling, and therapeutic strategy optimization.
Genetics and Clinical Research	Study of gene-drug interactions and genetic polymorphisms to enable genotype-guided therapy and precision dosing.

Materiovigilance and Medical Device Safety	Post-market surveillance of medical devices, improved reporting systems, and analysis of real-world safety data.
Healthcare Data Analytics and Databases	Utilization of EHRs and large health datasets for pharmacoepidemiology, therapy outcome tracking, and trend analysis.
Artificial Intelligence in Decision Support	Use of AI/ML models to predict drug interactions, automate prescriptions, and enhance personalized clinical decisions.
Pharmacogenomics in Precision Medicine	Genomic testing for optimizing drug efficacy and safety; bridging genetics with individualized therapy protocols.
Personalized and Stratified Medicine	Design of patient-specific therapies using multi-omics (genomics, proteomics, metabolomics) and clinical biomarkers.
Innovative Drug Discovery & Development	Target identification, lead optimization, and translational pharmacology through integrated interdisciplinary platforms.

Genomic, Genetic & Biomedical Databases

- **NCBI (National Centre for Biotechnology Information)**
Central hub for a variety of databases including GenBank, BLAST, and RefSeq. Offers access to genomic, transcriptomic, and biomedical data.
- **OMIM (Online Mendelian Inheritance in Man)**
A curated database focusing on human genes and genetic disorders. Used extensively in medical genetics.
- **Gene Cards**
Integrates gene-centric data, including function, expression, disorders, and pathways.
- **HGMD (Human Gene Mutation Database)**
Collects known gene mutations linked to human inherited diseases. Used in diagnostics and research.
- **HUGE Navigator (Human Genome Epidemiology Navigator)**
Provides access to studies on the associations between genes and diseases or traits, supporting genomic epidemiology.

⌚ Drug, Target & Pharmacogenomics Databases

- **Swiss Target Prediction**
Predicts likely macromolecular targets for bioactive small molecules using chemical similarity and machine learning.
- **Drug Bank**
Combines detailed drug data with comprehensive drug-target interactions, including mechanisms of action and pharmacology.
- **Pharm GKB (Pharmacogenomics Knowledgebase)**
Contains information about the impact of genetic variation on drug response, helping guide personalized medicine.

☣ Toxicology & Interaction Databases

- **CTD (Comparative Toxicogenomics Database)**
Curates chemical-gene/protein interactions, chemical-disease, and gene-disease relationships to understand environmental effects on human health.

↔ Pathways, Interactions & Molecular Networks

- **KEGG (Kyoto Encyclopaedia of Genes and Genomes)**
Integrates genomic, chemical, and systemic functional information. Useful for pathway mapping and disease mechanisms.
- **STRING (Search Tool for the Retrieval of Interacting Genes/Proteins)**
Predicts protein-protein interactions based on known and predicted associations.
- **Bio GRID (Biological General Repository for Interaction Datasets)**
Collects biological interactions including protein-protein, genetic, and chemical associations.

Clinical Research & Trials

- **ClinicalTrials.gov**
A registry and results database of publicly and privately supported clinical studies around the world.

⌚ Clinical Drug Information Databases

These are essential for day-to-day pharmacy practice for checking drug interactions, dosing, side effects, etc.

1. **Micromedex**
 - Comprehensive drug information, interactions, IV compatibility, and toxicology.
 - Often used in hospitals and clinical settings.
2. **Lexi comp**
 - Detailed drug monographs, interaction checker, and patient education leaflets.
 - Popular in community and clinical pharmacy.
3. **Up-to-date**
 - Evidence-based clinical decision support tool that includes drug therapy options and guidelines.
4. **Drugs.com**
 - Public-access drug information including side effects, pill identifiers, and interaction checkers.
5. **Epocrates**
 - Mobile-friendly drug reference including dosing, interactions, and medical calculators.

⚠ Adverse Drug Reactions & Safety

These help monitor drug safety and pharmacovigilance:

6. **FAERS (FDA Adverse Event Reporting System)**
 - Database of adverse event reports submitted to the U.S. FDA.
7. **Med Watch (FDA Safety Information and Adverse Event Reporting Program)**
 - For reporting and accessing information on adverse drug events.
8. **EudraVigilance (European Medicines Agency)**
 - European system for managing and analysing adverse drug reaction reports.

⌚ Drug Interaction & Compatibility

These focus specifically on drug-drug interactions and IV drug compatibility:

9. **Drug Interaction Checker – Medscape**
 - Free tool to evaluate potential drug-drug interactions.
10. **Trissel's IV Compatibility** (via Micromedex or Lexi comp)
 - Gold standard for checking intravenous drug compatibility.

Product Information & Identification

Helpful for identifying medications and checking product formulations:

11. **Daily Med** (by NIH)

- Official source for FDA label (package insert) information.

12. **Pillbox** (archived but replaced by Drugs.com and Medscape tools)

- Pill identification based on shape, color, and imprint.

Pharmacogenomics & Personalized Medicine

13. **CPIC (Clinical Pharmacogenomics Implementation Consortium)**

- Guidelines on using pharmacogenetic tests in drug therapy.

14. **gnomAD**

- Population genetics database that can support pharmacogenomics analysis.

Cost, Availability & Formulary Information

15. **GoodRx**

- US-based pricing comparison and discount program for prescriptions.

16. **Formulary Lookup**

- Helps pharmacists and prescribers determine if a medication is covered under a patient's insurance plan.

Education, Counselling & Clinical Decision Support

17. **MedlinePlus** (by NIH)

- Patient-friendly drug information and health education.

18. **ISMP (Institute for Safe Medication Practices)**

- Reports on medication errors and safety alerts.

19. **Clinical Key**

- Drug and disease reference with clinical guidelines and textbooks (by Elsevier).

Biostatistics & Research Software Skills

❖ **Statistical Analysis Tools:**

Proficient in **SPSS**, **Graph Pad Prism**, and **R** (with RStudio) for descriptive and inferential statistics, regression analysis, and ANOVA. Experienced in data visualization and hypothesis testing in clinical and pharmaceutical research settings.

❖ **Clinical Research & Epidemiology Software:**

Skilled in **Epi Info**, **OpenEpi**, and **RevMan** for designing surveys, conducting epidemiological analysis, and performing systematic reviews/meta-analyses aligned with evidence-based medicine principles.

❖ **Pharmacokinetics/Pharmacodynamics (PK/PD) Modelling:**

Working knowledge of **WinNonlin (Phoenix)** and **NONMEM** for dose optimization, bioequivalence studies, and population pharmacokinetic modelling.

❖ **Data Management & Visualization:**

Competent in **Microsoft Excel** (including Analysis Tool Pak), **Tableau**, and **Power BI** for organizing clinical datasets, statistical summaries, and creating interactive dashboards.

❖ **Sample Size & Trial Design Tools:**

Familiar with **PS: Power and Sample Size Calculator** and **Trial Simulator** for estimating study power, optimizing sample sizes, and simulating clinical trial outcomes.

■ Research Methodology & Scientific Inquiry

❖ Research Design & Planning:

Proficient in designing observational, experimental, and interventional studies, including randomized controlled trials (RCTs), cohort, case-control, and cross-sectional studies.

❖ Protocol Development & Ethical Compliance:

Experienced in developing research protocols, informed consent forms, and aligning studies with ethical standards (ICH-GCP, institutional ethics committee guidelines).

❖ Data Collection & Survey Methodology:

Skilled in developing and validating clinical data collection tools (e.g., case report forms, KAP questionnaires), conducting structured interviews, and ensuring data accuracy and confidentiality.

❖ Literature Review & Evidence Synthesis:

Competent in systematic literature reviews using **PubMed**, **Cochrane Library**, and **Google Scholar**; familiar with PRISMA guidelines for systematic reviews and meta-analyses.

❖ Statistical Analysis & Interpretation:

Applied knowledge of descriptive and inferential statistics using tools such as **SPSS**, **R**, and **Graph Pad Prism** for analysing clinical and pharmaceutical data.

❖ Scientific Writing & Presentation:

Proficient in writing research papers, abstracts, and reports; experienced in presenting findings at seminars, conferences, and journal clubs.

➲ Clinical Pharmacy & Patient-Centred Research Skills

❖ Clinical Study Design & Patient Care Research

Skilled in designing and conducting **patient-centred studies** such as **Drug Utilization Evaluations (DUEs)**, **Adverse Drug Reaction (ADR) monitoring**, **Medication Adherence Studies**, **Pharmacoeconomic Evaluations**, and **Quality of Life (QoL) assessments**.

❖ **Pharmaceutical Care & Intervention Studies**

Experienced in implementing **pharmaceutical care plans, medication therapy management (MTM)**, and measuring clinical outcomes in inpatient and outpatient settings.

❖ **Patient Data Collection & Monitoring**

Proficient in using **Case Report Forms (CRFs)**, patient interview techniques, medication history documentation, and structured clinical assessments for monitoring efficacy and safety of drug therapies.

❖ **Clinical Research Tools & Techniques**

- **Drug Interaction Checkers:** Lexi comp, Micromedex, Medscape
- **ADR Reporting Tools:** WHO-UMC scale, Naranjo algorithm
- **Clinical Scales:** Morisky Medication Adherence Scale (MMAS), VAS (Pain), GAD-7, PHQ-9
- **QoL Instruments:** SF-36, EQ-5D, WHOQOL-BREF

❖ **Patient Education & Counselling**

Trained in providing individualized counselling on medication use, side effects, lifestyle modifications, and adherence strategies, supporting optimal therapeutic outcomes.

❖ **Electronic Medical Record (EMR) & Data Management**

Experienced in reviewing and analysing patient records, laboratory values, and prescriptions using EMRs; ensuring proper documentation for clinical audits and pharmacovigilance reporting.

❖ **Inter professional Collaboration**

Skilled in working with physicians, nurses, and healthcare teams for clinical case discussions, medication reconciliation, and discharge planning.

Software & Tools Expertise

- **Clinical Research & Statistics:** SPSS, Graph Pad Prism, Excel (with Analysis Tool Pak), R
- **Drug Databases:** Lexi comp, Micromedex, Drug Bank, PharmGKB
- **Literature Review Tools:** PubMed, Cochrane Library, Google Scholar
- **ADR/Pharmacovigilance Platforms:** Vigiflow, Med Watch, PvPI

Additional Pharm.D-Related Skills & Areas of Expertise

1. *Pharmacovigilance & Drug Safety*

- Proficient in **adverse drug reaction (ADR) reporting**, signal detection, and causality assessment using tools like **Vigiflow**, **WHO-UMC**, and **Naranjo Algorithm**.
- Knowledge of **global regulatory systems** (e.g., **FDA Med Watch**, **EudraVigilance**, **PvPI**) and Good Pharmacovigilance Practices (GVP).

2. *Therapeutic Drug Monitoring (TDM)*

- Skilled in monitoring plasma drug concentrations and interpreting lab results to optimize dosing regimens for drugs with narrow therapeutic windows (e.g., vancomycin, phenytoin).

3. *Clinical Guidelines & Evidence-Based Medicine*

- Experienced in applying clinical practice guidelines (e.g., **NICE**, **IDSA**, **ACCP**, **KDIGO**) to manage chronic and acute diseases.
- Familiar with evidence grading systems (e.g., **GRADE** approach).

4. Community & Hospital Pharmacy Operations

- Knowledge of **prescription auditing**, inventory control, narcotics handling, and **pharmacy management software** (e.g., Marg ERP, Win Pharm, eHospital).

5. Drug Information & Literature Evaluation

- Trained to retrieve, appraise, and communicate **drug-related queries** using tertiary, secondary, and primary literature sources.
- Proficient in using **Drug Information Resources**: Micromedex, Lexi comp, PubMed, Up-to-date.

6. Regulatory Affairs & Documentation

- Understanding of **drug approval processes**, **CTD (Common Technical Document)** format, **ICH guidelines**, and regulatory documentation.
- Exposure to **clinical trial documentation**, including **Informed Consent Forms (ICFs)** and **Investigator Brochures**.

7. Public Health & Pharmacoepidemiology

- Knowledge of **health screening**, **vaccination campaigns**, and **epidemiological surveillance systems**.
- Familiarity with pharmacoepidemiologic databases like **HUGE Navigator**, **OpenEpi**, and **Epi Info**.

8. Pharmacoconomics & Health Outcomes

- Ability to perform **cost-effectiveness**, **cost-utility**, and **budget impact analyses** using basic models.
- Application of **QoL instruments** and health outcome metrics in evaluating therapies.

9. Clinical Documentation & Reporting

- Skilled in preparing **SOAP notes, discharge summaries, case presentations, and clinical intervention logs.**
- Experience with **Electronic Health Records (EHR) and hospital pharmacy documentation systems.**

10. Soft Skills & Communication

- Strong **patient counselling and inter professional collaboration skills.**
- Excellent at **presenting drug cases, conducting health awareness programs, and leading community outreach.**

❖ Other Add-on:

- **GCP (Good Clinical Practice)** – ICH-certified
- **Pharmacovigilance Certification** – via recognized platforms (Coursera, Udemy, etc.)
- **Clinical Research Training** – NIH or Collaborative Institutional Training Initiative (CITI)
- **Antimicrobial Stewardship** – WHO, CDC, or Open WHO programs

Clinical Pharmacy Related Expertise

Pharmacotherapy & Medication Management

- In-depth understanding of pharmacokinetics, pharmacodynamics, and drug interactions
- Designing and monitoring individualized pharmaceutical care plans
- Conducting medication reconciliation and adverse drug reaction assessments

Clinical Research & Trials

- Coordination and monitoring of clinical trials involving drug therapies

- Data collection, analysis, and interpretation for evidence-based practice
- Familiarity with Good Clinical Practice (GCP) guidelines and regulatory compliance

Patient & Professional Education

- Counselling patients on medication adherence and safety
- Training healthcare professionals on updated drug therapies and protocols
- Development of educational materials and workshops

Antimicrobial Stewardship & Infection Control

- Implementation of antimicrobial stewardship programs to optimize antibiotic use
- Monitoring and reporting of antimicrobial resistance patterns
- Collaborating with infection control teams to reduce hospital-acquired infections

Healthcare Collaboration & Communication

- Working with multidisciplinary teams to improve patient outcomes
- Effective communication skills in clinical and academic settings
- Utilizing electronic health records (EHR) and clinical decision support tools

Regulatory & Operational Knowledge

- Compliance with pharmacy laws, hospital policies, and clinical guidelines
- Experience with hospital pharmacy management and formulary systems

DECLARATION

I hereby solemnly affirm that the information provided above is accurate, complete, and true to the best of my knowledge and belief. I take full responsibility for the authenticity and correctness of the details furnished herein.

