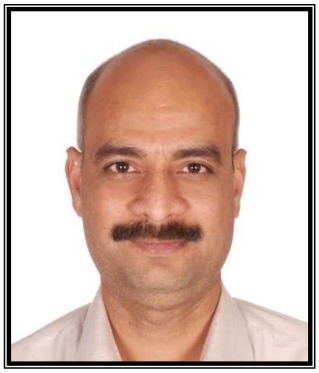
CURRICULUM VITAE



Name : **MAHESH ATTIMARAD** Ph.D

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Department of Pharmaceutical Sciences
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MAJOR ACHIEVEMENTS:

- **Listed as World's Top 2% scientists since 4 years** by ELSEVER and Stanford University, Listed years**:2024, 2023, 2022, 2021**
- 14 **US patents** awarded.
- Published **146 research articles** in peer reviewed **high impact factor** journals.
- Received **Best Researcher Award:2nd Place by Deanship of Academic Development, KFU**, 2018-19.
- Active co-investigator in Saudi Arabia's **Ministry of Education approved project** and **KACST** projects
- Received and completed **DSR ANNUAL RESEARCH GRANTS EVERY YEAR** since 2012.
- Received **several students' grants by DSR and published research** article with KFU students.
- Member of **NCAAA KFU institutional committee for Standard 4.**
- **Coordinator of Academic Affairs** committee of college of clinical pharmacy since 2010.

INSTRUMENTS OPERATED:

- HPLC –Shimadzu, Agilent, Perkin Elmer
- FT IR - Shimadzu and Perkin Elmer.
- UV Visible Spectrophotometer – Shimadzu
- Fluorospectrophotometer– Shimadzu
- Atomic Absorption Spectrophotometer– Shimadzu
- Gas Chromatography-Mass Spectrometer– Shimadzu
- Liquid Chromatography-Mass Spectrometer– Shimadzu, Agilent
- Capillary Electrophoresis-Mass Spectrometer– Agilent
- Nuclear Magnetic Resonance - Bruker

Educational Qualifications

Name of Degree	Year of passing	Name of the Institution	Subject
Ph. D	2000-2005	Al-Ameen College of Pharmacy, Bangalore	Pharmacy (Pharmaceutical Chemistry)
M. Pharm	1994-1996	Al-Ameen College of Pharmacy, Bangalore	Pharmaceutical Chemistry
B. Pharm	1990-1994	Karnataka College of Pharmacy, Bidar	Pharmaceutical Sciences
Diploma in IT	1996	Institute of Electronics and computer Science, Bangalore	Computer Science (Short term course)

M. Pharm. Dissertation Topic: "Synthesis and Pharmacological Evaluation of 4-Hydroxybenzo Thiophene-6-Carboxylic Acid Derivatives as Novel Anti-Inflammatory and Analgesic Agents"

Ph. D. Thesis Topic: "Synthesis of Heteroaromatic Acetic/Carboxylic Acids and Derivatives as Potential Non-Steroidal Anti-Inflammatory Agents"

CURRENT POSITION

Date (From – To)		Employer (Name and Full Address)	Position/Teaching courses
Month/Year	Month/Year		
21/12/2022	Till date	College of Clinical Pharmacy, King Faisal University, Al-Asha, Saudi Arabia	Professor, Pharmaceutical Analytical Chemistry(UG) Pharma. Analytical Technique (PG) Pharmacy Orientation (UG)

WORK EXPERIENCE

Date (From – To)		Employer (Name and Full Address)	Responsibilities
Month/Year	Month/Year		
28/02/2018	20/12/2022	College of Clinical Pharmacy, King Faisal University, Al-Asha, Saudi Arabia	Associate Professor, Pharmaceutical Analytical Chemistry Medicinal Chemistry, Pharmacy Orientation
25/11/2008	27/02/2018	College of Clinical Pharmacy, King Faisal University, Al-Asha, Saudi Arabia	Assistant Professor, Pharmaceutical Analytical Chemistry Medicinal Chemistry Pharmaceutical Organic Chemistry
10/01/2007	5/10/2008	School of Pharmacy, Masterskill College of Nursing and Health, Jalan Kemacahaya 11, Batu 9, Cheras, KL, 43200 Malaysia	Senior Lecturer and coordinator-Pharmacy, Teaching Pharm. Organic Chemistry Pharm. Analytical Chemistry
01/09/2005	08/01/2007	PES College of Pharmacy, 50 Feet Road, Hanumanthanagar, Bangalore - 560 050, Karnataka, INDIA.	Professor & HOD, Teaching B. Pharm & M.Pharm Students (Ph Analytical Chemistry and Pharmaceutical Analysis) Guiding Post Graduate Research students.
01/02/2005	31/08/2005	Al-Ameen College of Pharmacy, Near Lalbagh Main Gate, Hosur Road, Bangalore-560027 Karnataka, India	Assistant Professor, Pharmaceutical Analysis -1 Pharmaceutical Analysis- 2 Medicinal Chemistry
14/11/1998	31/01/2005	Al-Ameen College of Pharmacy, Near Lalbagh Main Gate, Hosur Road, Bangalore-560027 Karnataka, India	Lecturer Pharmaceutical Analysis -1 Pharmaceutical Analysis- 2 Medicinal Chemistry
01/06/1996	13/11/1998	Al-Ameen College of Pharmacy, Near Lalbagh Main Gate, Hosur Road, Bangalore-560027 Karnataka, India	Research Associate for **Dupont Agrochemicals, USA.** Pharmaceutical Organic Chemistry Pharmaceutical Analysis -1

RESEARCH ACCOMPLISHMENTS

- **SCOPUS Author ID** : https://www.scopus.com/authid/detail.uri?authorId=57202027144
- **Researcher ID** : http://www.researcherid.com/rid/M-4095-2016
- **Orchid ID** :http://orcid.org/0000-0002-7007-9119
- **Google Scholar :** https://scholar.google.com/citations?hl=en&user=SlRRUAUAAAAJ&view_op=list_works&sortby=pubdate

US PATENTS AWARDED

1. Katharigatta N. Venugopala, Pran Kishore Deb, Vinuta Kamat, Rangappa Santosh, Boja Poojary, Manohar S. Kugaji, Vijay M. Kumbar, Mohamed A. Morsy, Bandar E. Aldhubiab, **Mahesh Attimarad,** Anroop B. Nair, Nagaraja Sreeharsha. 5-(substitutedphenyl)-7-imino-7,8-dihydropyrimido[4,5-*d*]pyrimidine-2,4(1*H*,3*H*)-dione analogues as anti-inflammatory agents. **UNITED STATES PATENT** No. US12187733B1; Granted on January 7, 2025: Application No US18/495721; Filed on October 26, 2023. https://www.freepatentsonline.com/12187733.html

2. Sree Harsha Nagaraja, Anroop B Nair, **Mahesh Attimarad**, Katharigatta N Venugopala, Bander E Al-dhubiab, Santosh Fattepur, Teeka Sathiesh Roopashree, Arshia Shariff, Mohammed F Aldawsari, Sibghatullah Sangi. Liposome encapsulating cysteamine and resveratrol in separate compartments. **UNITED STATES PATENT** No. US20240325325A1; Granted on Oct 3, 2024: Application No. US18/127,862; Filed on March 29, 2023. https://patents.google.com/patent/US20240325325A1/en

3. Katharigatta N. Venugopala, Buccioni Michela, Gabriella Marucci, Pran Kishore Deb, Mohamed A. Morsy, Bandar Aldhubiab, **Mahesh Attimarad**, Anroop B. Nair, Nagaraja Sreeharsha, Sandeep Chandrashekharappa, Sheena Shashikanth. Adenosine receptor activity of methyl/ethyl 3-(substituted benzoyl)-6,8-dimethylindolizine2-substituted-1-carboxylates. **UNITED STATES PATENT** No. US11974991B1; Granted on May 7, 2024: Application No. US18/230,585; Filed on August 04, 2023. https://patents.google.com/patent/US11974991B1/en

4. Katharigatta N. Venugopala, Pran Kishore Deb, Vinuta Kamat, Rangappa Santosh, Boja Poojary, Manohar S. Kugaji, Vijay M. Kumbar, Mohamed A. Morsy, Bandar E. Aldhubiab, **Mahesh Attimarad**, Anroop B. Nair, Nagaraja Sreeharsha. 5-(3-Substituted phenyl)-pyrimido[4,5-*d*]pyrimidine-2,4,7(1*H*,3*H*,8*H*)-trione derivatives as anticancer agents. **UNITED STATES PATENT** No. US11964982B1; Granted on April 23, 2024: Application No. US18/506,762; Filed on November 10, 2023. https://patents.google.com/patent/US11964982B1/en

5. Katharigatta N. Venugopala, Pran Kishore Deb, Melendran Pillay, Sandeep Chandrashekharappa, Mohamed A. Morsy, Bandar E. Aldhubiab, **Mahesh Attimarad**, Anroop B. Nair, Nagaraja Sreeharsha, Christophe Tratrat, Sheena Shashikanth, Vijaykumar Uppar, Basavaraj Padmashali. Ethyl 2-substitued-1-(substitutedbenzoyl)-7-methylpyrrolo[1,2-a]quinoline-3-carboxylate derivatives as anti-tubercular agents. **UNITED STATES PATENT** No. US11938120B1; Granted on March 26, 2024: Application No. US18/237,273; Filed on August 23, 2023. https://patents.google.com/patent/US11938120B1/en

6. Katharigatta N. Venugopala, Pran Kishore Deb, Vinuta Kamat, Rangappa Santosh, Boja Poojary, Manohar S. Kugaji, Vijay M. Kumbar, Mohamed A. Morsy, Bandar E. Aldhubiab, **Mahesh Attimarad**, Anroop B. Nair, Nagaraja Sreeharsha. 5-(3-Substituted phenyl)-pyrimido[4,5-*d*]pyrimidine-2,4,7(1*H*,3*H*,8*H*)-trione derivatives as anticancer agents. **UNITED STATES PATENT** No. US11932649B1; Granted on March 19, 2024: Application No. US18/234,973; Filed on August 17, 2023. https://patents.google.com/patent/US11932649B1/en

7. Katharigatta N. Venugopala, Pran Kishore Deb, Melendran Pillay, Vijaykumar Uppar, Mohamed A. Morsy, Bandar E. Aldhubiab, **Mahesh Attimarad**, Anroop B. Nair, Nagaraja Sreeharsha, Sandeep Chandrashekharappa, Basavaraj Padmashali. Substituted 7-methyl quinoline derivatives as anti-tubercular agents. **UNITED STATES PATENT** No. US11926627B1; Granted on March 12, 2024: Application No. US18/240,256; Filed on August 30, 2023. https://patents.google.com/patent/US11926627B1/en

8. Katharigatta N. Venugopala, Pran Kishore Deb, Melendran Pillay, Sandeep Chandrashekharappa, Mohamed A. Morsy, Bandar E. Aldhubiab, **Mahesh Attimarad,** Anroop B. Nair, Nagaraja Sreeharsha, Vijaykumar Uppar, Raghu Prasad Mailavaram, Basavaraj Padmashali. 1-Substitutedbenzoyl-4-bromopyrrolo[1,2-*a*]quinoline-3-carboxylate derivatives as anti-tubercular agents. **UNITED STATES PATENT** No. US11919900B1; Granted on March 5, 2024: Application No. US18/236,237; Filed on August 21, 2023. https://patents.google.com/patent/US11919900B1/en

9. Katharigatta N. Venugopala, Pran Kishore Deb, Vinuta Kamat, Rangappa Santosh, Boja Poojary, Manohar S. Kugaji, Vijay M. Kumbar, Mohamed A. Morsy, Bandar E. Aldhubiab, **Mahesh Attimarad**, Anroop B. Nair, Nagaraja Sreeharsha. Green synthesis of 5-(substitutedphenyl)-7-imino-7,8-dihydropyrimido[4,5-*d*]pyrimidine-2,4(1*H*,3*H*)-dione analogues as anti-inflammatory agents. **UNITED STATES PATENT** No. US11884677B1; Granted on January 30, 2024: Application No. US18/232,182; Filed on August 9, 2023. https://patents.google.com/patent/US11884677B1/en

10. Katharigatta N. Venugopala, Pran Kishore Deb, Melendran Pillay, Sandeep Chandrashekharappa, Mohamed A. Morsy, Bandar E. Aldhubiab, **Mahesh Attimarad**, Anroop B. Nair, Nagaraja Sreeharsha, Christophe Tratrat, Sheena Shashikanth. Substituted phenyl quinolin-1-ium bromide derivative as antitubercular agents. **UNITED STATES PATENT** No. US11884631B1; Granted on January 30, 2024: Application No. US18/229,825; Filed on August 3, 2023. https://patents.google.com/patent/US11884631B1/en

11. Katharigatta N. Venugopala, Pran Kishore Deb, Melendran Pillay, Sandeep Chandrashekharappa, Mohamed A. Morsy, Bandar E. Aldhubiab, **Mahesh Attimarad,** Anroop B. Nair, Nagaraja Sreeharsha, Christophe Tratrat, Sheena Shashikanth, Vijaykumar Uppar, Basavaraj Padmashali. Ethyl 2-substitued-1-

(substitutedbenzoyl)-7-methylpyrrolo[1,2-a]quinoline-3-carboxylates as anti-tubercular agents. **UNITED STATES PATENT** No. US11845746B1; Granted on December 19, 2023: Application No. US18/237,211; Filed on August 23, 2023. https://patents.google.com/patent/US11845746B1/en

12. Nagaraja Sreeharsha, Anroop B Nair, **Mahesh Attimarad,** Katharigatta N Venugopala, Bandar Aldhubiab, Sonia Kundu, Aalok Basu, Suvadra Das, Partha Roy, Teeka Sathiesh Roopashree. Decontamination of water using guar gum derivatives and applications thereof. **UNITED STATES PATENT** No. US11807553B1; Granted on November 7, 2023: Application No. US18/138,262; Filed on April 24, 2023. https://patents.google.com/patent/US11807553B1/en

13. Katharigatta N. Venugopala, Bandar E. Aldhubiab, Mohamed A. Morsy, **Mahesh Attimarad**, Anroop B. Nair, Nagaraja Sreeharsha, Christophe Tratrat, Sandeep Chandrashekharappa, Melendran Pillay, Pran Kishore Deb, Sheena Shashikanth. 7-Isopropyl 1-ethyl/methyl 3-(substituted benzoyl)-2-substituted indolizine-1,7-dicarboxylates as anti-tubercular agents. **UNITED STATES PATENT** No. US11807640B1; Granted on November 7, 2023: Application No. US18/191,407; Filed on March 28, 2023. https://patents.google.com/patent/US11807640B1/en

14. Venugopala, K.N, **Mahesh Attimarad**, Anroop B. Nair, Nagaraja Sreeharsha, Mohamed A. Morsy, Sandeep Chandrashekharappa, Melendran Pillay, Pran Kishore Deb. Anti-tubercular compounds. **UNITED STATES PATENT** No. US11530217B1; Granted on December 20, 2022: Application No. US17/853,618; Filed on June 29, 2022. https://patents.google.com/patent/US11530217B1/en.

MOE and KACST Grant Projects.

1. Venugopala KN, Chopra D, Morsy MA, Aldhubiab BE, **Attimarad M,** Nair AB, Tratrat C, Pillay M, Mahomoodally FM, Bhandary S. In silico design, Synthesis, Characterization, Screening, Formulation, and Simultaneous determination of anti-tubercular, anticancer or cardiovascular drugs. Ministry of Education, Saudi Arabia (SAR 3000000, Period 2019-2022), (Grant # 1058).

2. Nair AB, Al-Dhubiab BE, **Attimarad M,** Sreeharsha N, Venugopala KN, Morsy MA Ungual and transungual delivery of antimycotic agents by constant low voltage iontophoresis for treating onychomycosis: A non-invasive approach. KACST, Saudi Arabia (SAR 600000, Period 2020-22), (Grant # 12-MED3163-06).

Deanship of Scientific Research, King Faisal University Grant Projects.

1. **Attimarad M**, Mohammed Jassim Alali, Hussain Ali Alali, Dana Hisham Alabdulmuhsin, Aljohara Khalid Alnajdi, Katharigatta Narayanaswamy Venugopala and Anroop B. Nair, Design of Experimental Approach for Development of Rapid High Performance Liquid Chromatographic Process for Simultaneous Estimation of Metoprolol, Telmisartan, and Amlodipine from Formulation: Greenness and Whiteness Evaluation. Deanship of Scientific Research, King Faisal University, Saudi Arabia (SAR 30000, Period 2024-2025), (INST073).

2. **Attimarad M**, Mohammed Monirul Islam, Sheeba Shafi, Marysheela David, Aminur Rahman, Effren II Plaza Molina Smart eco-friendly mathematically manipulated UV spectroscopic methods to resolve severely overlapped spectra of a binary mixture of dapagliflozin with sitagliptin and vildagliptin, Deanship of Scientific Research, King Faisal University, Saudi Arabia (SAR 30000, Period 2023-2024), (INST166).

3. **Attimarad M**, Mohammed Munirul Islam, Sheeba Shafi, Marysheela David, Aminur Rahman, Effren II Plaza Molina, Validation of smart ecofriendly spectroscopic methods for simultaneous determination of sitagliptin, vildagliptin and dapagliflozin in laboratory mixtures and tables by manipulation of UV spectra, Ministry of Education, Saudi Arabia (SAR 30000, Period 2022-2023), (Grant # INST166).

4. **Attimarad M**, Venugopala KN, Altaysan,A. Balgoname, A., Shaifi S. Spectroscopic/liquid chromatographic method Development for Simultaneous estimation of anti diabetic drugs in formulations, Deanship of Scientific Research, King Faisal University, Saudi Arabia (SAR 30000, Period 2021-2022), (Grant # 216044).

5. **Attimarad M**, Venugopala KN, Islam M, Altaysan,A. Shaifi S.Rapid simultaneous quantitative analysis of hypoglycemic agents by RP-HPLC: Development, Validation and Application to medicines , Deanship of Scientific Research, King Faisal University, Saudi Arabia (SAR 30000, Period 2021-2022), (Grant # NA00040).

6. **Attimarad M**, Venugopala KN, Islam M, Sree Harsha Rajasekaran S, Elgorashe R.E.E. Validation of rapid RP-HPLC and green second derivative UV spectroscopic method for simultaneous determination of metformin and remogliflozin in formulation using multivariate optimization, Ministry of Education, Saudi Arabia (SAR 30000, Period 2020), (Grant # IFT20122).

7. Nair AB, Shah J, Al-Dhubiab BE, Venugopala KN, Morsy MA, **Attimarad M**, Sreeharsha N.Nanoparticulate System for Treatment of Various Disorders. Deanship of Scientific Research, King Faisal University, Saudi Arabia (SAR 299000, Period 2020-2022), (Grant # 1811021).

8. Nair AB, Gandhi D, Patel SS, Morsy MA, Gorain B, **Attimarad M**, Shah JN. Quantification of sinigrin from Raphanus sativus roots and evaluation of its anticancer potential., Ministry of Education, Saudi Arabia (SAR 30000, Period 2020), (Grant # IFT20092).

9. **Attimarad M**, Bandar E. Aldhubiab, Sree Harsha. Anroop Nair, Venugopala K. N., In silico design, Synthesis, Characterization, Screening, Formulation, and Simultaneous determination of anti-tubercular, anticancer or cardiovascular drugs. Group Project, DSR, KFU, Grant number 1811018, 300000 SAR, 2019-2021

10. **Attimarad M**, Bandar E. Aldhubiab, Sree Harsha. Anroop Nair, "Simultaneous determination of calcium channel blockers and statins by Liquid Chromatography and /or Capillary Electrophoresis in formulations and plasma: application to preclinical pharmacokinetic studies, grant No. 170117, SAR 75500. 2018-2019

11. Venugopala K. N., Sree Harsha, **Attimarad M**, Bandar Al Dhubiab, Anroop B. nair, Chemistry and crystallography of novel isoquinoline scaffolds as anti-TB agents against MDR and XDR strains of Mycobacterium tuberculosis, Group Project, DSR, KFU, Grant number 17122011 , 299822 SAR, 2017-2019

12. Bandar E. Aldhubiab, **Attimarad M**, Sree Harsha. Anroop Nair, "Development of a novel drug delivery system of almotriptan to improve the pharmacotherapy of migraine, grant No. 170116, SAR 99000. 2018-2019

13. Anroop Nair, Bandar Al Dhubiab, **Attimarad M**, Sree Harsha. "A nanocarrier system for site specific targeting of Gemcitabine to improve the treatment of Hepatocellular carcinoma Proposal grant No. 180009, SAR 82,000, 2018-19

14. Sree Harsha, **Attimarad M**, Anroop Nair, Bandar Al Dhubiab, "Formulation, optimization and evaluation of spray-dried microspheres for lung targeting", Proposal grant No. 180129, 50285 SAR, 2018-19.

15. Venugopala K. N., Sree Harsha, **Attimarad M**, Bandar Al Dhubiab, "Design, synthesis and characterization of 1,4-dihydropyridine scaffolds as anti-tubercular agents.", Proposal grant #. 180189, 63000SAR, 2018-19.

16. **Attimarad M**, Bandar E. Aldhubiab, Sree Harsha. Anroop Nair, "Simultaneous determination of sacubitril, valsartan, metformin, statin and gliptin by HPLC / CZE in formulations and plasma: Application to stability studies, Proposal grant No. 170010, SAR 68800. 2016-2017

17. Sree Harsha, **Attimarad M**, Anroop Nair, Bandar Al Dhubiab, "Formulation and optimization of lung-targeting microspheres: In vitro/ Pharmacokinetic studies, Proposal grant# 160005, 69900SAR.2015-2016.

18. Anroop Nair, Bandar Al Dhubiab, **Attimarad M**, Sree Harsha. "Design and development of polymeric nanoparticles for oral delivery of candesartan, Proposal grant No. 160010, SAR 75,000, 2015-2016.

19. **Attimarad M**, Bandar Al Dhubiab, Sree Harsha. Anroop Nair, "Capillary Electrophoresis method Development for Simultaneous estimation of antidiabetic drugs in biological samples and its application to pharmacokinetic studies Proposal grant No. 160003, SAR 65,000, 2015-2016.

20. **Attimarad M**, Anroop Nair Bandar Essa Aldhubiah, , Sree Harsha, "Simultaneous determination of amlodipine, hydrochlorothiazide and several sartans by Liquid Chromatography and /or Capillary Electrophoresis in formulations and plasma" Proposal grant No. 150190, SAR 75400/- 2014 – 2015

21. Bandar Essa Aldhubiah, Anroop Nair, Sree Harsha, **Attimarad M** " Development of Nano based drug delivery system for the buccal delivery of acyclovir" Proposal grant No. 140103. SAR 77, 400/- 2014 – 2015

22. Anroop Nair, Sree Harsha, **Attimarad M**, Bandar Essa Aldhubiah Annual "Development of transdermal delivery system of vildagliptin and its comparison with oral therapy" Proposal grant No. 140069 SAR 82,400/- 2014 – 2015

23. Sree Harsha, **Attimarad M**, Bandar Essa Aldhubiah, Anroop Nair Annual competitive research grant for the project "Design and Evaluation: Vildagliptin–Metformin Nanoparticle Combination" Proposal grant No. 150196. SAR 55, 900/- 2014 – 2015

24. **Attimarad M**, Shree Harsha N, Anroop B nair and Bandar E Aldhubaib, Development and validation of Stability indicating Chromatographic method for simultaneous determination of Simvastatin and sitagliptin, 2013-2014, SAR 57900/-.

25. **Attimarad M** Ahmaed O. Alnajjar, Shree Harsha N and Bandar E Aldhubaib, "Validated Liquid Chromatographic method development for simultaneous estiomation of Metformin and Gliptins, 2012-2013, SAR 63100/-.

26. **Attimarad M**, Shree Harsha N and Bandar E Aldhubaib, "Mucoadhesive microspheres containing a new antidiabetic drug: Preparation and in-intro characterization" 2012-2013, SAR 87400/-.

27. Sree Harsha, **Attimarad M**, Bandar Essa Aldhubiah, Anroop Nair Annual competitive research grant of SAR 74400 for the project "Preparation and evaluation of spraydried oral mucoadhesive Noveon AA-1 polycarbophil nanoparticles containing anti-diabetic" Proposal grant No. 140131. SAR 74, 400/- 2012 – 2013

28. Anroop Nair, Sree Harsha, **Attimarad M**, Bandar Essa Aldhubiah Annual "Development of a novel noninvasive technique for therapeutic drug monitoring in epilespsy patients" Proposal grant No. 140069. 65, 900/- 2012 – 2013

29. Bandar Essa Aldhubiah, Anroop Nair, Sree Harsha, **Attimarad M** "Formulation and evaluation of buccal films impregnated with selegiline loaded nanospheres" Proposal grant No. 140103. 68,400/- 2012 – 2013
30. Sheeba Shafi, **Attimarad M**, Ghulam Shakeel Ansari, Microwave assisted efficient one pot synthesis of steroidal oxazolines and aziridines of pharmaceutical importance under solvent free condition. 2012-2013SAR 141400.00
31. **Attimarad M**, Ahmaed O. Alnajjar, Shree Harsha N, "Simultaneous Estimation Of Metformin And Miglitol By High Performance Liquid Chromatography",, 2011-2012, SAR 92400/-.
32. Sree Harsha, **Attimarad M**, Bandar Essa Aldhubiah "Mucoadhesive microspheres containing a new antidiabetic drug: Preparation and in-intro characterization" Proposal grant No. 130012. SAR 87, 400/- 2011 – 2012
33. Sree Harsha, **Attimarad M** and Tanveer Ahmad Khan. "Design and evaluate oral mucoadhesive microspheres of new antiglycemic drug". Year 2010 – 2011, SAR 88,400/-
34. **Attimarad M**, S. Ramachandra Setty, Sree Harsha Nagaraja, Simultaneous Estimation of Flavoxate HCl and Ofloxacin by High Performance Liquid Chromatography. SAR 71400. Year 2010 – 2011,
35. **Attimarad M**, Studies on Metabolomic profiling of Saudi Arabian Medicinal Plants through the integration of Metabolomics and Fluxomics Year 2009 – 2011, SAR 200000.

Scientific Papers Published

1. Jacob, S.; Kather, F. S.; Boddu, S. H. S.; **Attimarad, M**.; Nair, A. B., Nanosuspension Innovations: Expanding Horizons in Drug Delivery Techniques. *Pharmaceutics* **2025,** 17, (1).10.3390/pharmaceutics17010136
2. **Attimarad, M**.; Venugopala, K. N.; Nair, A. B.; Aldhubiab, B.; Nagaraja, S., In silico modified UV spectrophotometric approaches to resolve overlapped spectra for quality control of rosuvastatin and teneligliptin formulation. *Open Physics* **2024,** 22, (1).10.1515/phys-2024-0014
3. **Attimarad, M**.; Alali, M. J.; Alali, H. A.; Alabdulmuhsin, D. H.; Alnajdi, A. K.; Venugopala, K. N.; Nair, A. B., Design of Experimental Approach for Development of Rapid High Performance Liquid Chromatographic Process for Simultaneous Estimation of Metoprolol, Telmisartan, and Amlodipine from Formulation: Greenness and Whiteness Evaluation. *Molecules* **2024,** 29, (5).10.3390/molecules29051087
4. **Attimarad, M**.; Ahmed, A. Y.; Nair, A. B.; Venugopala, K. N.; Jacob, S., Smart mathematically filtered UV spectroscopic methods for quality assurance of rosuvastatin and valsartan from formulation. *Open Physics* **2024,** 22, (1).10.1515/phys-2024-0090
5. **Attimarad, M**.; Sreehari, K. S. D.; Aldhubiab, B., Greenness and Whiteness Assessed Mathematically Filtered UV Spectroscopic Approaches for Quality Control of Amlodipine, Telmisartan and Metoprolol from Ternary Formulation. *Indian Journal of Pharmaceutical Education and Research* **2024,** 58, (4), s1250-s1261.10.5530/ijper.58.4s.148
6. **Attimarad, M**.; Aldhubiab, B.; Nagaraja, S.; Pottathil, S., Smart Manipulated UV Spectroscopic Methods for Resolving the Overlapped Spectra for Quality Control of Two Analgesic Binary Combination Formulations. *Indian Journal of Pharmaceutical Education and Research* **2024,** 58, (3), s805-s814.10.5530/ijper.58.3s.82
7. Venugopala, K. N.; Chandrashekharappa, S.; Deb, P. K.; Al-Shar'i, N. A.; Pillay, M.; Tiwari, P.; Chopra, D.; Borah, P.; Tamhaev, R.; Mourey, L.; Lherbet, C.; Aldhubiab, B. E.; Tratrat, C.; **Attimarad, M**.; Nair, A. B.; Sreeharsha, N.; Mailavaram, R. P.; Venugopala, R.; Mohanlall, V.; Morsy, M. A., Identification of potent indolizine derivatives against Mycobacterial tuberculosis: In vitro anti-TB properties, in silico target validation, molecular docking and dynamics studies. *International Journal of Biological Macromolecules* **2024,** 274.10.1016/j.ijbiomac.2024.133285
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Maters Students Guidance:

2021: Development and Validation of derivative UV spectroscopic method for the simultaneous estimation of carvedilol and ivabradine in pharmaceutical formulation (College of Science, KFU)

2020: Oral Drug Delivery with Nanoparticles into the Gastrointestinal Tract: Design and Evaluation (College of Clinical Pharmacy, KFU)

2016 : Pharmacokinetics interaction of Beta blocker agent (carvedilol) administered concomitantly with fluvastatin or rosuvastatin in rats through oral route (College of Veterinary Medicine, King Faisal University)

2006: 1. Validation process for the determination of mangiferin by instrumental methods and determination of metadoxil by spectrophotometric method.

2. Compatibility study of active components of herbal medicines with different excipients by HPLC.

3. Simultaneous determination of nebivolol and hydrochlorothiazide by instrumental Methods.

2005: Synthesis and antimicrobial activity of some new thiazole derivatives

2004: Synthesis of pyridinyl coumarin derivatives for their antimicrobial activity

Presentations in National & International Conferences /Seminars

1. **Mahesh Attimarad,** Abdulmohsen Badar Alhzoom, Validation of rapid HPLC method for simultaneous quantification of amlodipine and celecoxib in pure and formulation using experimental design, Dubai International Pharmaceuticals & Technologies Conference & Exhibition (DUPHAT), Dubai, UAE, 25-27 Feb. 2020 **(Received best poster award)**

2. **Mahesh Attimarad,** Bander E Al-Dhubiab, Anroop B Nair and Sree Harsha N, An LC-MS method for simultaneous determination of moxifloxacin and cefixime in human plasma: **Mass Spectrometry Applications in Clinical Laboratories [MSACL],** San Diego, CA, USA, March 31 to April 4, **2019**.

3. **Mahesh Attimarad,** Bander E Al-Dhubiab, Anroop B Nair and Sree Harsha N. LCMS method for the simultaneous determination of Metformin and Miglitol in Plasma: Application to pharmacokinetic studies **Mass Spectrometry Applications in Clinical Laboratories [MSACL 2015]**, San Diego, CA, USA, March 28 to April 1, **2015**.

4. **Mahesh Attimarad,** Bander E Al-Dhubiab, Anroop B Nair and Sree Harsha N, and Venugopala K. N., Simultaneous determination of metformin and three gliptins in pharmaceutical formulations using RP HPLC: Application to stability studies on linagliptin tablet formulation" **247th American Chemical Society conference,** March 16-20, **2014**, Dallas, USA.

5. **Mahesh Attimarad,** Bander E Al-Dhubiab, Ibrahim A Alhaider, Anroop B Nair and Sree Harsha N, Mueen Ahmed K Development of a Rapid and Sensitive RP-HPLC Method for the Determination of Metformin and Vildagliptin in Formulation and Plasma. **[American Association of Pharmaceutical Society, AAPS 2013]**

6. **Mahesh Attimarad**, Bander E Al-Dhubiab, Ibrahim A Alhaider, Anroop B Nair and Sree Harsha N, Mueen Ahmed K., Simultaneous determination of moxifloxacin and cefixime by first and ratio first derivative ultraviolet spectrophotometry. **[American Association of Pharmaceutical Society, AAPS 2012]**

7. **Mahesh Attimarad** and Ramling Kotnal "Ethyl 2-Arylamino-4-(4-Bromophenyl)Thiazol-5-Acetate: Microwave Assisted Synthesis And NSAID'S Activity" accepted for Oral presentation at **Malaysian Pharmaceutical Society Pharmacy Scientific Conference 2008, held on 6-8 August 2008.**

8. **Mahesh Attimarad** and Pran Kishore Ded, "Microwave Synthesis In The Academic Laboratory" **Commonwealth Pharmaceutical Association and Malaysian Pharmaceutical Society Conference 2007,** Kuala Lumpur Malaysia, 1- 5 August 2007.

9. **Mahesh Attimarad** and S. Mohan, "Microwave Technique in Medicinal Chemistry", 2nd **International Symposium on Drug Discovery and Process Research,** Belgaum, February 1st -3rd 2006.

10. **Mahesh Attimarad** and S. Mohan "Synthesis of some new 2, 4, 5-trisubstituted thiazoles as possible anti-inflammatory and analgesic agents" 57th **Indian Pharmaceutical Congress,** Hyderabad, December 3-6th. 2005.

11. S. Mohan and **Mahesh Attimarad** "Reactions under Microwave Irradiation Conditions-Methods and Applications" **9th Annual International Convention of APTI**, Andhra University, Visakapatnam, on 2nd and 3rd October 2004.

12. Venugopala K. N., Jayashree B. S. and **Mahesh Attimarad,** "Synthesis and Characterization of substituted Coumarinyl 2-arylamino thiazoles as Analgesic agents", **International Symposium on Drug Discovery and Process Research,** Kolhapur, January 23-25th, 2003.

13. **Mahesh Attimarad** and S. Mohan "substituted 2-arylamino-4-phenyl thiazole-5-acetic acids/esters" Microwave assisted Synthesis and Anti-oxident activity" 56th **Indian Pharmaceutical Congress,** Kolkata, December 3-6th. 2004.

14. Venugopala K. N., Jayashree B. S., **Mahesh Attimarad** and Gopalkrishna Rao, "Synthesis and characterization of some substituted coumarinyl thiazoles as analgesic agents", 90th **Indian Science Congress (ISC)**, Bangalore, January 3 – 7th 2003.

15. **Mahesh Attimarad** and S. Mohan "Synthesis of 4-hydroxy-7-phenyl benzothiophene-6-carboxylic acid derivatives as potent NSAIDs" **54th Indian Pharmaceutical Congress**, Pune, Dec 13–15th, 2002.

16. **Mahesh Attimarad** and S. Mohan "Synthesis of 4-substituted 2-acyl amino thiazole-5-acetic acids/esters as potent NSAIDs" **54th Indian Pharmaceutical Congress**, Pune, December 13 – 15th, 2002.

17. **Mahesh Attimarad** and G. Bagavant "Synthesis and Anti-inflammatory activity of quinolinothiazino benzimdazoles" in **51st Indian Pharmaceutical Congress**, Indore December 18-20, 1999. **Received best paper award**

Papers Accepted in International Conferences

1. **Mahesh Attimarad,** Development of HPLC Analytical Method With Programmed Wavelength UV Detection for Simultaneous Determination of Paracetamol and Lornoxicam in Tablet" accepted for Oral presentation at **First United Arab Emirates Conference on Pure and Applied Chemistry, American University of Sharjah, UAE,** held during 1-3 March, 2011

2. **Mahesh Attimarad** and S. Mohan "Microwave assisted one pot Synthesis of ethyl 2-(arylidenehydrazino)-4-(p-chlorophenyl)thiazole-5-acetates as potent NSAIDs" **10th International Conference on Microwave and High Frequency Heating,** University of **Modena and Reggio Emilia (Italy),** September 12-15, 2005.

3. **Mahesh Attimarad** and S. Mohan. "Microwave assisted one pot Synthesis of ethyl 2-(arylidenehydrazino)-4-phenylthiazole-5-acetates as potent NSAIDs", 3rd **International Microwaves in Chemistry Conference,** Wyndham Orlando Resort, **Orlando (USA)** March 3-6, 2005**.**

4. **Mahesh Attimarad** and S. Mohan "Microwave assisted synthesis of ethyl 2,4, –di substituted thiazole-5-acetates for their antioxidant activity" **IX Joint Meeting on Heterocyclic Chemistry**, **Urbino, Italy**. 05-09 May 2004.

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