

Maha Meshal Abdullah AlRasheed
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Biography

Dr. Maha is an associate professor of pharmacogenomics at the clinical pharmacy department, college of pharmacy, King Saud University. She has a Master's degree in clinical pharmacy from King Saud University and eventually earned her Ph.D. in pharmacogenomics from the University of Brighton, U.K. Her dissertation entitled "Association of Gene Polymorphisms in Thyroid Function-related Genes with Differentiated Thyroid Cancer Risk and Post Thyroidectomy L-Thyroxine Suppressive Dose Requirements" was primarily addressed to personalized medicine, population genetics, association studies and complex disorders.

Dr. Maha has held several positions, as deputy chair of the clinical pharmacy department at the college of pharmacy at King Saud University, advisor of the vice rector for projects for girls at King Saud University and assistant of the vice rector for projects for girls at King Saud University. Currently she is assigned as Princess Nourah bint Abdulrahman University Presidents' advisor.

Dr. Maha's primary research interests are genetics and pharmacogenomics, family and population genetics; Personalized medicine; Mendelian diseases; Genome sequencing and annotation; and association studies in cardiovascular disease, cancers and endocrinology.

Dr. Maha received many awards from International and National conferences. Dr. Maha has supervised many graduation researches for undergraduate students and many master's and doctoral students from National and International universities such as University College of London and New Castle University in the United Kingdom and Riyadh Elm University and King Saud University in Saudi Arabia.

PERSONAL WEBSITES

- <https://faculty.ksu.edu.sa/ar/mahalarasheed>
- [Maha Meshal AlRasheed - Google Scholar](#)
- <https://www.researchgate.net/profile/Maha-Alrasheed-3>
- <https://publons.com/researcher/5154499/maha-alrasheed/>

RESEARCHER IDENTIFYING NUMBERS

- **ORCID:** 0000-0001-6668-2874

- **Researcher ID:** AGZ-9897-2022
- **Frontiers Loop Profile:** <https://loop.frontiersin.org/people/1148293/overview>

EDUCATION

2013	Doctor of Philosophy in Pharmacy (PhD) in Pharmacogenomics, PHARMACY AND BIOMOLECULAR SCIENCES, University of Brighton, United Kingdom Dissertation: Association of Gene Polymorphisms in Thyroid Function-related Genes with Differentiated Thyroid Cancer Risk and Post Thyroidectomy L-Thyroxine Suppressive Dose Requirements.
2011	Master of Philosophy in Pharmacogenomics, PHARMACY AND BIOMOLECULAR SCIENCES, University of Brighton, United Kingdom Thesis: The role of gene polymorphism in the etiology of differentiated thyroid cancer and L-thyroxin dose requirement in athyrotic patients
2000	Master of Clinical Pharmacy (MClinPharm) , King Saud University, Riyadh, Saudi Arabia, GPA 4.6/5
1996	Bachelor Degree of Pharmaceutical Sciences (BScPharm), King Saud University, Riyadh, Saudi Arabia. With Honor. GPA 4.55/5
1991	High school from Altarbeya Alislameya Schools, Riyadh, Saudi Arabia. GPA 98%

PROFESSIONAL APPOINTMENTS

2022-present	Advisor of H.E. President of Princess Nourah Bint Abdulrahman University, Riyadh, Saudi Arabia.
2020 -present	Associate professor of pharmacogenomics, Clinical pharmacy department, KSU, Saudi Arabia
2018 – 2022	Assistant of the Vice Rector for Projects for Girls
2017 – 2018	Advisor of the Vice Rector for Projects for Girls
2017- present	Chair , College of Pharmacy Research Day, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia
2016– 2017	Advisor of the Vice Rector for Projects for Safety and Security for Girls
2015- 2017	Deputy Chair , Clinical Pharmacy Department, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia
2015 - 2017	Chair of the PharmD Research Day, Clinical Pharmacy Department, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia
2014 -2020	Assistant Professor of Pharmacogenetics , Clinical pharmacy department, KSU, Saudi Arabia
2008-2017	Adjunct appointment as a Visiting Research Associate in the Genetic department at the Research Center, King Faisal Specialist Hospital and Research Center (KFSH & RC)
2006-2009	Member of the Education & Public Awareness Committee, Saudi Food and Drug Authority

2005-2008	Member of Establishment Committee, Saudi Clinical Pharmacy Club
2001-2014	Lecturer , Department of Clinical Pharmacy, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia.
1996-2001	Teaching Assistant in the department of Clinical Pharmacy, The School of Pharmacy, King Saud University, Riyadh, Saudi Arabia.

TEACHING INTERESTS AND COURSES

Teaching interests

- Pharmacogenomics
- Pharmacy Practice
- Pharmacotherapy

Teaching courses “PharmD”:

- PHCL 412 “Pathophysiology and Pharmacotherapeutics 1”
- PHCL 435 “Research Design and Pharmacoepidemiology”
- PHCL 490 “Research Project”
- PHCL 495 “Academic Rotation”
- PHCL 497 “Medical Research”

Teaching courses “BScPharm”:

- PHCL 416 “Pharmacotherapy-1”
- PHCL 442 “Pathophysiology and Pharmacotherapeutics-2”

Teaching courses “MClPharm”:

- PHCL 590 “Research Project”
- PHCL 591 “Seminar”

PROFESSIONAL EXPERIENCES AND ACTIVITIES

2022	Organizer and chair “The 11 th College of pharmacy Research Day”, College of pharmacy, KSU
2021	Organizer and chair “The 10 th College of pharmacy Research Day”, College of pharmacy, KSU
2019	Organizer and chair “The 9 th College of pharmacy Research Day”, College of pharmacy, KSU
2019	College of Pharmacy Research Sector Representer , the National Commission for Academic Accreditation and Assessment (NCAAA) team meetings to discuss the Research at college of pharmacy session, college of pharmacy, KSU, Riyadh, Saudi Arabia.
2018	Organizer and chair “The 8 th College of pharmacy Research Day”, College of pharmacy, KSU
2018	Founder and Director: The foundation course in clinical medication management-update in therapeutics. Medication Safety Research Chair in collaboration with Deanship of skills and development. King Saud University, Riyadh, Saudi Arabia

2018	Member , Participate, prepare and present Princess Nourah Bint Abdulrahman University board of trustee establishment proposal, KSU and PNU
2018	Member , The organizing team of the first conference of National observatory for women, Women empowerment-KSU
2017	Certificate of Completion of the New Faculty Program at King Saud University (36 CPD), the eleventh foundation course for new faculty members, Deanship of Skills Development from King Saud University in cooperation with Staff and Educational Development Association (SEDA).
2017	Founder, Organizer and Chair : The third PharmD internship Research Day. Clinical pharmacy department, College of pharmacy, King Saud University, Riyadh, Saudi Arabia.
2017	Presenter : Presentation entitled "Pharmacogenomics and medication safety: Personalized medicine". The third medication safety chair week. The medication safety Chair. King Saud University, Saudi Arabia KSU
2017- present	Chairperson , College of Pharmacy Research Day. College of Pharmacy, King Saud University, Riyadh, Saudi Arabia
2016	Founder, Organizer and Chair : The second PharmD internship Research Day. Clinical pharmacy department, College of pharmacy, King Saud University, Riyadh, Saudi Arabia.
2016	Member , The Pharmacists Training Program in Community Pharmacies to Give Vaccines Pharmacy-(Based Immunization Delivery booklet and program) - College of Pharmacy in cooperation with the College of Medicine - Simulation Center.
2015- 2017	Deputy Chair , Clinical Pharmacy Department, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia
2015	Judge , the Sixth Scientific Meeting. King Saud University, Riyadh, Saudi Arabia
2015	Member , Meeting team, the Accreditation Council for Pharmacy Education (ACPE) meetings, College of Pharmacy, KSU, Riyadh, Saudi Arabia.
2015	Founder, Organizer and Chair : The first PharmD internship Research Day. Clinical pharmacy department, College of pharmacy, King Saud University, Riyadh, Saudi Arabia.
2015	Attend workshop entitled "School of Pharmacy faculty members supporting program". School of Pharmacy. KSU. Riyadh. Saudi Arabia.
2014 - Present	Lecturing at College of Pharmacy, King Saud University, Saudi Arabia Courses: Graduation Research Project, Pharmacotherapy, Pharmacoepidemiology, Advance Drug Information.
2014	Organizer , Supervise and arrange for "Commit to be fit" campaign, College of Pharmacy, King Saud University, Saudi Arabia
2014	Attend workshop entitled "Prince Naif Research center workshop". Ritz Hotel. Riyadh. Saudi Arabia.
2014-Present	Students' Advisor for undergraduate students, Department of Clinical Pharmacy, College of Pharmacy, King Saud University.
2011	Presenter , Oral presentation entitled "The Role of Gene Polymorphism in the Etiology of Differentiated Thyroid Cancer and L-thyroxine Dose Requirement in Athyrotic Patients" was presented at KKHU, Riyadh, Saudi Arabia

2009	Attend the Research Processes and Methodologies course, PHARMACY AND BIOMOLECULAR SCIENCES, University of Brighton, United Kingdom
2006- 2008	Preceptor for undergraduate pharmacy students in the clinical clerkship rotation at the Endocrinology services.
2005-2008	Clinical pharmacist in the medical Endocrinology department in the King Khalid University Hospital.
2005-2009	Editor of Pharmacy Spotlights Newsletter Clinical Pharmacy Department, King Saud University
2003-2004	Member of the Preparation Team of TV. Program, Society and Medication Program, Channel 2, Saudi Television
2000	Attend the Cardiovascular Rotation. Preceptor: Dr.H. Zaghloul. King Khalid University Hospital.
1999	Attend the Pharmacokinetic Rotation. Preceptor: Dr.J.Kaka Pharm.D. King Khalid University Hospital.
1999	Attend the Gastroenterology Rotation. Preceptor: Dr.Mayet Pharm.D. King Khalid University Hospital.
1999	Attend the Infectious disease Rotation. Preceptor: Dr A.Alghasham. Pharm.D. King Khalid University Hospital.
1999	Attend the Drug Information Rotation. Preceptor: Dr. A.Alghasham. Pharm.D. King Khalid University Hospital.
1999	Attend the In-patient Pharmacy Rotation. Preceptor: Dr.A. Alduwailea. King Khalid University Hospital.
1997-2008	Students' Advisor for undergraduate students, Department of Clinical Pharmacy, College of Pharmacy, King Saud University.

SCIENTIFIC AND ADMINISTRATIONAL COMMITTEES

2022-Present	Member , University space allocation standing committee, University Rectorate, PNU, SA
2021-2022	Member , Committee to monitor administrative violations of precautionary measures to counter the spread of Corona and monitor penalties, University Rectorate, KSU
2020-2021	Member , the scientific committee for research grants initiative Corona "COVID 19", Ministry of Health, Saudi Arabia
2019- 2022	Member , the Standing Committee to consider matters related to university employees, University Rectorate, KSU
2019-2022	Member , the sub-committee of the University Rectorate for Projects to consider the applications received by the affiliated departments for flexible working hours, University Vice Rectorate for Projects, KSU
2019-2020	Member , Founding Committee, Molecular Biology Interdisciplinary Program, College of Science, King Saud University

2017-2019	Head , University space allocation committee, University Vice Rectorate for Girls, KSU
2017-2019	Member , University investment committee, University Vice Rectorate for Girls, KSU
2017-2020	Member , University graduation ceremony committee, University Rectorate, KSU
2017-2022	Member , Coordinating council, female student campus (Olaysha), University Rectorate, King Saud University
2017-present	Head , Pharmacy Research Day Advisory committee, College of pharmacy, KSU
2017-present	Head , Pharmacy Graduation Research Committee, College of Pharmacy, KSU
2016-2022	Member , Coordinating council, female student campus (Derayah), University Rectorate, King Saud University
2016- 2019	Member , students' disciplinary standing committee, University Rectorate, King Saud University, Riyadh, Saudi Arabia
2016-2020	Member , PhD program establishing committee, Clinical pharmacy department, KSU
2015-2020	Member , Central Examination Unit, College of Pharmacy, KSU
2015-2019	Member , Teaching assistants interview committee, College of Pharmacy, KSU
2015-2017	Member , Postgraduates applicant's committee, Clinical pharmacy department, KSU
2015-2017	Chair , Research Day Committee, Clinical pharmacy department, College of Pharmacy, KSU
2014-2015	Member , Scientific research committee, College of Pharmacy, KSU
2005-2008	Editor , "Pharmacy Spotlight newsletter" published by the College of Pharmacy, King Saud University.
2004-2009	Member , the Drug and Poison Information committee, College of Pharmacy, King Saud University
1999-2001	Member , the "Environment Protection Week" committee, College of Pharmacy, King Saud University.
1998-2000	Member , "University and Society Week" committee, College of Pharmacy, King Saud University.

ACADEMIC SUPERVISION

PhD degree:

2017- Present	New Castle University, New Castle, UK. Evaluation of factors influencing anticoagulation control in Saudi patients
2015-2021	University College of London, London, UK. Diagnosis, molecular genetics and treatment of startle disease

Master degree:

2019	College of Pharmacy, King Saud University, SA: Screening of ataxia samples reveals a novel compound heterozygous mutation and a founder mutation in ATM.
2019	College of Pharmacy, Riyadh Elm University, SA: Development of deprescribing algorithm to improve patient quality use of medication.
2017	College of Pharmacy, King Saud University, SA: Identification of a Mutation Responsible for Autosomal Recessive Cerebellar Ataxia in a Saudi Family.
2016	College of Pharmacy, King Saud University, SA: Knowledge and Willingness of Physicians about Deprescribing Among Older Saudi Patients: A Qualitative Study.
2016	College of Pharmacy, King Saud University, SA: Patients' knowledge of and willingness to Vaccination through Community Pharmacy among adults in Saudi Arabia.
2015	College of Pharmacy, King Saud University, SA: NPHS1 and NPHS2 Mutations in Patients with Congenital Nephrosis.
2003	College of Pharmacy, King Saud University, SA: Effect of aminoglycoside dosing on magnesium levels in hospitalized patients.
2003	College of Pharmacy, King Saud University, SA: Bone Mineral Density Measurements and Risk Factor Assessment for Osteoporosis in Young Healthy Saudi Female.

Undergraduate Students and projects:

2022	Abeer Almubarak and Lamia Almuhairedb. Neuro genetics.
2021	Reema A. Alghofaili and Maha M. Nakiyah. A Novel GEMIN4 Variant in a Consanguineous Family Leads to Neurodevelopmental Impairment with Severe Microcephaly, Spastic Quadriplegia, Epilepsy, and Cataracts.
2021	Sarah A. Alruways and Nouf B. Almutairi. A Founder Variant in ZNF335 Causes a Novel Phenotype: Autosomal Recessive Distal Motor Neuropathy
2020	Amani Alshahrani and Sara Almuhaireb. Knowledge, Attitude and Practice of Healthcare Workers Towards the Novel Coronavirus (COVID-19) pandemic: A Cross-Sectional Study.
2020	Afnan Alqudair and Khloud Alshgairan. The impact of quarantine on sleep quality and psychological distress during the COVID-19 pandemic in Saudi Arabia.
2020	Hala Almarzougi and Ghada Alenzi. Assessment of Knowledge, Attitude and Practice of Security and Safety Workers towards COVID-19: A Cross-Sectional Study.
2020	Amani Alshahrani, Hala Almarzougi and Ghada Alenzi. Feasibility, Efficacy and Safety of Escitalopram in Functional Gastrointestinal Disorders: A Prospective Cohort Study.

2019	Maissa Alfuraih and Aishah Alnafeesah. Autosomal Recessive Cerebellar Ataxia Caused by a Novel Cys89Ser Mutation in a Saudi Family.
2019	Afnan Alrasheed and Shoug Alharbi. Pyrostigmine therapy in a patient with VAMP1-related congenital myasthenic syndrome.
2018	Abdulrahman Alsuwaid and Suhail Alkhalaf. Knowledge and Attitude of Healthcare Professional Towards Gene Therapy: A Cross-Sectional Study.
2018	Ashwaq AlAnzi and Rawan AlShalhoub. The Potential Role of DIO1, DIO2 and TSH β Polymorphisms in the Development of Differentiated Thyroid Cancer and L-Thyroxine Dose Requirements.
2018	Ashwag al-yousef, Lama Aldawsari. Whole Exome Sequencing Identifies Novel Gene Associated with Hereditary Spastic Paraplegias Among Saudi Patients.
2017	Nora Alkhayyat and Taghreed Alzahrani. A Novel <i>ETFB</i> Mutation in Saudi Adult with Glutaric Aciduria Type II: A Case report.
2017	Hissah Al-Mohaini, Hanan Abouzaid. The Role of KCNQ1 and AKAP9 as Genetic Modifier of Congenital Long-QT Syndrome.
2016	Khawla Alaseri and Reem Bamogaddam. Mutation Identification in <i>ACADVL</i> Gene in very long chain acyl co A dehydrogenase deficiency patients.
2016	Nourhan Elsherif and Ment Allah Hefnawy. Association of gene polymorphism in CDKN2B and CDKN2A gene and coronary heart disease.
2016	Nourah Alshaikh, Latifah Aldekan and Lama Alharabi. Identification of mutation in GAA gene in Saudi patients with Glycogen storage disease type II.
2015	Ghadah alrashidi, Nouf albishi, Wafa alsolami.: Clinical and Molecular Characterization of Patients with Jervell & Lange-Nielsen Syndrome in Saudi Patients.
2015	Burouj AlQahtani , Hadeel alharbi, Rawan Almadhi, Senaa Alnajrani. Association of gene polymorphisms in PAX8 GENE with differentiated thyroid cancer risk.
2015	Asma Alfarhan, Rana Almohaimeed . Mutation Identification in DOLK Gene in Saudi Patients with Dilated Cardiomyopathy.
2015	Alaa Assiri, Abeer Altaweel, Albatool Bin Ajlan, Rawan Almugbel, and Shaikha Aldukhail. Synergistic Effect of Omega-3 Fatty Acid and Aloe Vera Oil on Improving Skin Elasticity and Thickness: A Randomized-Double Blind Controlled Study.
2014	Masha'el Alrubaishi and Alanoud Aleid. Genetic Analysis of Bartter's and Gitelman's Syndromes in Saudi Patients.

COMMUNITY SERVICES AND ACTIVITIES

2018	Founder and Director: The foundation course in clinical medication management-update in therapeutics. Medication Safety Research Chair in collaboration with Deanship of skills and development. King Saud University, Riyadh, Saudi Arabia
2017-2020	Member in the organizing team of KSU girls graduation ceremony, King Saud University, Riyadh, Saudi Arabia

2017-2022	Head of the evacuation plan girls committee, Vice president for projects, King Saud University, Riyadh, Saudi Arabia
2017-2022	Head of the educational safety and security corner under Vice president for projects, preparatory week, King Saud University, Riyadh, Saudi Arabia
2017	Presenter Presentation entitled "Pharmacogenomics and medication safety: Personalized medicine". The third medication safety chair week. The medication safety Chair. King Saud University, Saudi Arabia KSU
2016	Member Participate in the preparation of Pharmacy-Based Immunization Delivery booklet and program, Ministry of Health
2016	Judge Pharmacy student's competition, college of pharmacy annual gathering (girls section), college of pharmacy, King Saud University, Riyadh, Saudi Arabia
2015-2017	Founder, Organizer and Head: First, second and third PharmD internship Research Day. Clinical pharmacy department, College of pharmacy, King Saud University, Riyadh, Saudi Arabia.
2015	Judge: The Sixth Scientific Meeting. King Saud University, Riyadh, Saudi Arabia
2014	Supervise and arrange "Commit to be fit" campaign, College of Pharmacy, King Saud University, Saudi Arabia
2014	Supervise and arrange weekly seminars presented by Master students as part of 591PHCL course in KCUH as part of the Pharmacy activity to all staff. KCUH, Saudi Arabia
2014	Supervise and arrange weekly seminars presented by Master students as part of 590PHCL course in College of Pharmacy as part of the course activity. College of Pharmacy, KSU, Saudi
2009	Presenter: Presentation entitled (المنومات بين الأرق والإدمان), The National Association for Drug Prevention. Princess Nourah Bint Abdulrahman University.
2008	Organizer and presenter: The week of drug poisoning prevention, National Medication Education Team. Saudi Food and Drug Authority (SFDA), KSU, Riyadh, Saudi Arabia.
2008	Organizer and presenter: The week of drug poisoning prevention, National Medication Education Team. Saudi Food and Drug Authority (SFDA). AlNahda Organization, Riyadh, Saudi Arabia.
2007	Organizer and presenter: Interactive presentation and demonstration about "Drug Poisoning Prevention" in an open day activity. The week of drug poisoning prevention, National Medication Education Team. Saudi Food and Drug Authority (SFDA). Kingdom school's elementary levels, Riyadh, Saudi Arabia.
2007	Organizer and presenter: Patients Counseling, Open day activity (السكري عند الأطفال والمراهقين), Diabetes World National day. Pharmacy department, king Khaled University Hospital.
2007	Organizer and presenter: Lecture (أدوية في رمضان), Organized by the National Medication Education Team, Saudi Food and Drug Authority (SFDA). Prince Salman Social Center, Riyadh, Saudi Arabia.

2007	Organizer and presenter: Open day public health counseling, (تعرفي على أدويةك), organized by Saudi Clinical Pharmacy Club. Prince Salman Social Center, Riyadh, Saudi Arabia.
2006-2009	Member of the Education & Public Awareness Committee, Saudi Food and Drug Authority (SFDA)
2006	Organizer and presenter: Open day public health counseling, (تعرفي على أدويةك), organized by Saudi Clinical Pharmacy Club. 2006. Prince Salman Social Center, Riyadh, Saudi Arabia.
2005	Presenter: Participate in an Open day, (أسبوع الدواء) Osteoporosis prevention corner. 2005. Alamal hospital. Riyadh, Saudi Arabia.
2005-2008	Member: Establishment Committee, Saud Clinical Pharmacy Club
2005	Participate in an Open day, (أسبوع الدواء) Osteoporosis prevention corner, Alamal hospital
2005-2009	Editor: Pharmacy Spotlights Newsletter Clinical Pharmacy Department, King Saud University
2000	Organizer and presenter. Open public health day, Diabetes and Cholesterol Corner, "University and Society Week", Clinical Pharmacy Department, Pharmacy College, King Saud University, Riyadh, Saudi Arabia.
1999	Organizer and presenter. Open public health day, "University and Society Week", Clinical Pharmacy Department, Pharmacy College, King Saud University, Riyadh, Saudi Arabia

PROFESSIONAL AND ORGANIZATION MEMBERSHIP

2010-Present	The American Society of Human Gene
2006-2010	National Medication Education Team, Saudi Food and Drug Authority (SFDA)
2005-2010	Saud Clinical Pharmacy Club, Establishment Committee
1997-Present	Saudi Pharmaceutical Society

AWARDS AND HONORS

2021	Third place, Best oral presentation award, paper entitled: "Feasibility, Efficacy and Safety of Escitalopram in Functional Gastrointestinal Disorders: A Prospective Cohort Study", the 10th College of Pharmacy Research day, KSU, Riyadh, Saudi Arabia
2021	Fifth place, Best oral presentation award, paper entitled: "The impact of quarantine on sleep quality and psychological distress during the COVID-19 pandemic in Saudi Arabia.", the 10th College of Pharmacy Research day, KSU, Riyadh, Saudi Arabia

2019	First place , Best oral presentation award, paper entitled: “Whole Exome Sequencing Identifies Novel Gene Associated with Hereditary Spastic Paraplegias Among Saudi Patients”, at the 9th College of Pharmacy Research day, KSU, Riyadh, Saudi Arabia
2019	First place (tied) , Best oral presentation award, paper entitled: “The Role of DIO1, DIO2 and TSH β Polymorphisms in Differentiated Thyroid Cancer and Patient Response to Therapy in the Saudi Population: A Pharmacogenetic Study”, at the 9th College of Pharmacy Research day, KSU, Riyadh, Saudi Arabia
2019	Twelfth place , Best student poster presentation award (pharmaceutical sciences), paper entitled: “ Gene Therapy Knowledge and Attitude among Healthcare Professionals: A Cross-Sectional Study”, at the 9th College of Pharmacy Research day, KSU, Riyadh, Saudi Arabia
2019	First award , Oral presentation competition, paper entitled: “Whole Exome Sequencing Identifies Novel Gene Associated with Hereditary Spastic Paraplegias Among Saudi Patients”, at the 6th pharmacy research symposium, College of pharmacy, Qassim University), Qassim, Saudi Arabia
2019	First place , Best student poster presentation award, paper entitled: “Whole Exome Sequencing Identifies Novel Gene Associated with Hereditary Spastic Paraplegias Among Saudi Patients”, at the at the DUPHAT, Dubai, UAE
2019	First place , Best student poster presentation award (pharmaceutical sciences), paper entitled: “Whole Exome Sequencing Identifies Novel Gene Associated with Hereditary Spastic Paraplegias Among Saudi Patients”, at the Saudi International Pharmaceutical Science Meeting and Workshops (SIPHA), Jeddah, Saudi Arabia
2018	Third place , Best student oral presentation award, paper entitled: “Genetic Analysis of Long QT Syndrome in Saudi Arabia: Identification of Causative Mutation and the Role of KCNQ1 and AKAP9”, at the 8th College of Pharmacy Research day, KSU, Riyadh, Saudi Arabia
2018	First place , Best student oral presentation award paper entitled: “Identification of a Novel ETFB Missense Mutation in Saudi Adult with Glutaric Aciduria Type II”, at the 8th College of Pharmacy Research day, KSU, Riyadh, Saudi Arabia
2018	Best postgraduate poster presentation award paper entitled: “Autosomal Recessive Cerebellar Ataxia Caused by a Novel Cys89Ser Mutation in a Saudi Family”, at the 8th College of Pharmacy Research day, KSU, Riyadh, Saudi Arabia
2018	Fourth place , Best student oral presentation award, paper entitled: “The Role of KCNQ1 and AKAP9 Variants as Genetic Modifiers of Congenital Long-QT Syndrome Type I”, at the DUPHAT, Dubai, UAE
2018	First place , award winning in the abstract student poster presentation entitled: “A Novel ETFB Mutation in Saudi Adult with Glutaric Aciduria Type II: A Case Report”, at the Saudi International Pharmaceutical Science Meeting and Workshops (SIPHA), Riyadh, Saudi Arabia
2017	First place , award winning in the abstract three minutes’ oral presentation entitled: “Knowledge and Willingness of Physicians about Deprescribing Among Older Saudi Patients: A Qualitative Study”, at the 3rd Scientific Meeting for Medication Safety: Strategies to promote a culture of safety via inter-professional collaboration, Medication Safety Chair, KSU, Riyadh, Saudi Arabia

2017	First place , award winning in the abstract oral presentation entitled: “Identification of Novel Missense Mutation in a Saudi Family with Very Long-Chain Acyl-Coenzyme A Dehydrogenase Deficiency”, at the 3rd PharmD Research day, Clinical Pharmacy department, KSU, Riyadh, Saudi Arabia
2017	Second place , award winning in the abstract oral presentation entitled: “Two Novel Mutations in Glucosidase Alpha Acid Gene Causing Pompe Disease in Three Saudi Families” at the 3rd PharmD Research day, Clinical Pharmacy department, KSU, Riyadh, Saudi Arabia
2017	Third place , award winning in the abstract oral presentation entitled: “The Role of CDKN2B Gene in Coronary Artery Disease and Myocardial Infarction and Their Risk Traits in the Ethnic Saudi Arabs: A Validation Study”, at the 3rd PharmD Research day, Clinical Pharmacy department, KSU, Riyadh, Saudi Arabia
2017	First place , award winning in the abstract poster presentation entitled paper entitled: “Knowledge and Willingness of Physicians about Deprescribing Among Older Saudi Patients: A Qualitative Study”, at the Medication Safety Chair Day, KSU, Riyadh, Saudi Arabia
2017	Best innovation award , paper entitled: “Identification of Novel Missense Mutation in a Saudi Family with Very Long-Chain Acyl-Coenzyme A Dehydrogenase Deficiency”, at the DUPHAT, Dubai, UAE
2017	Best professional abstract oral presentation award , paper entitled: “Knowledge and Willingness of Physicians about Deprescribing Among Older Saudi Patients: A Qualitative Study”, at the DUPHAT, Dubai, UAE
2017	Best student abstract oral presentation award , paper entitled: “The Role of CDKN2B Gene in Coronary Artery Disease and Myocardial Infarction and Their Risk Traits in the Ethnic Saudi Arabs: A Validation Study”, at the DUPHAT, Dubai, UAE
2016	First place , award winning in the abstract oral presentation entitled: “A Study of the Role of PAX8 Gene Polymorphism in the Manifestation and Drug Therapy of Differentiated Thyroid Cancer”, at the 2nd PharmD Internship Research day, Clinical Pharmacy department, KSU, Riyadh, Saudi Arabia
2016	Second place , award winning in the abstract oral presentation entitled: “Mutation Identification in DOLK Gene in Saudi Family with Dilated Cardiomyopathy “at the 2nd PharmD Internship Research day, Clinical Pharmacy department, KSU, Riyadh, Saudi Arabia
2016	Second place , award winning in the abstract oral presentation entitled: “Clinical and Molecular Characterization of Patients with Long QT Syndrome in Saudi Patients”, at the 2nd PharmD Internship Research day, Clinical Pharmacy department, KSU, Riyadh, Saudi Arabia
2015	First place , award winning in the abstract poster presentation entitled: “The Effect of Omega-3 Fatty Acid and Aloe Vera Oil Combination on Improving Skin Hardness and Thickness: A Randomized-Double Blind Controlled Study “, at the Pharmacy Research day, College of pharmacy, KSU, Riyadh, Saudi Arabia
2015	First place , award winning in the abstract oral presentation entitled: “Genetic Analysis of Barter’s and Giltelman’s Syndromes in Saudi Patients”, at the 1st PharmD Internship Research day, Clinical Pharmacy department, KSU, Riyadh, Saudi Arabia

2012	First Place , award winning in the abstract oral presentation entitled: “Genetic determinants of L-thyroxine dose requirement in athyrotic patients with differentiated thyroid cancer and their potential role in its etiology “held on 18 January 2012 at the 5th Annual Residents’ Research Day, KFSH&RC, Riyadh, Saudi Arabia http://news.ksu.edu.sa/news/36183?utm_source=twitterfeed&utm_medium=twitter
2008	The Best faculty member at School of pharmacy Award which granted from pharmacy graduates class 1428-1429(2007-2008) second semester, at the pharmacy college ceremony on Sunday, 18/06/1429 H (June 2008)
1996	Second degree honour , Bachelor Degree of Pharmaceutical Sciences (BScPharm), King Saud University, Riyadh, Saudi Arabia. GPA 4.55/5

PROGRAMS ESTABLISHED OR PARTOOK IN

2020-2022 October-February:	Author and Presenter: The Oral Biology and Genetics lectures- The Saudi Board for Oral Medicine and Pathology. Saudi Commission for Health Specialties .
2018 October:	Founder and Director: Establish and organize “The foundation course in clinical medication management-update in therapeutics 2018”, in collaboration of Deanship of skills and development and Medication Safety Research Chair, KSU
2016 November:	Member: Organizing team of Pharmacy-Based Immunization Delivery program and booklet, MOH and KSU
2014 October-December:	Founder and organizer: weekly seminars presented by Master students as part of 591PHCL course in KCUH as part of the Pharmacy activity to all staff. KCUH, Saudi Arabia
2014 October-December:	Founder and organizer: weekly seminars presented by Master students as part of 590PHCL course in College of Pharmacy as part of the course activity. College of Pharmacy, KSU, Saudi Arabia

REVIEWER FOR THE FOLLOWING JOURNALS

- PLOS ONE
- Journal of Infection and Public Health
- Nature and Science of Sleep

GRANTS

1. The Middle East respiratory syndrome coronavirus Research Grant Program. (Grant from King Abdulaziz City for Science and Technology “KACST”)

BIBLIOGRAPHY AND RESEARCH

A. SCIENTIFIC ARTICLES & PAPERS IN PEER REVIEW JOURNALS:

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B. SUBMITTED PAPERS

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C. CHAPTERS:

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2. Chapter 55 Al Garni T, Arafat A, **AlRasheed M**. Factorial design: Design measures, classic example, accepted in Translational Cardiology Textbook, Published by Elsevier. Under production.
Book Summary: Textbook for Designing and Conducting Clinical and Translational Research Written for clinicians, scientists, researchers, and bio/medtech entrepreneurs. A comprehensive guide for designing and conducting basic, translational, and clinical research, including basic regulatory considerations for new technology.
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D. BOOKS

1. Saudi National Formulary (SNF) 4th Edition, 2009-2010, Formulary Reviewer.

E. ONGOING RESEARCH ACTIVITY:

Writing a research handbook about research in collaboration with an international author group. The book will include chapters on how to write a manuscript, how to review for journals, how to perform basic statistics and basic epidemiological concepts.

F. SCIENTIFIC ABSTRACTS PRESENTED IN NATIONAL AND INTERNATIONAL SCIENTIFIC MEETINGS

1. Feasibility, Efficacy and Safety of Escitalopram in Functional Gastrointestinal Disorders: A Prospective Cohort Study. Hala Almarzougi, Ghada Alenzi, Amani Alshahrani, and **Maha AlRasheed**. "Presentation" the 10th College of Pharmacy Research day, KSU, March 2021, Riyadh, Saudi Arabia.
2. The impact of quarantine on sleep quality and psychological distress during the COVID-19 pandemic in Saudi Arabia. **Maha M. AlRasheed**, Afnan M. Alkadir, Khlood I. Bin Shuqiran, Sinaa Al-Aqeel, Haitham A. Jahrami, Ahmad S BaHammam. "Presentation" the 10th College of Pharmacy Research day, KSU, March 2021, Riyadh, Saudi Arabia.
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4. A study of the role of DIO1, DIO2 and TSH β polymorphism in differentiated thyroid cancer and drug response to therapy in the Saudi population: a case-control study. Ashwaq Mohammed Alanazi, Rawan Alshalhoub, **Maha Meshal Alrasheed**, Nora Abanamy, Dana Bakheet, Nduna Dzimiri. "Presentation" the 9th College of Pharmacy Research day, KSU, April 2019, Riyadh, Saudi Arabia.
5. Whole Exome Sequencing Identifies Novel Gene Associated with Hereditary Spastic Paraplegias Among Saudi Patients. Ashwag al-yousef, Lama Aldawsari, **Maha Meshal Alrasheed**. "Presentation" the 9th College of Pharmacy Research day, KSU, April 2019, Riyadh, Saudi Arabia.
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9. Whole Exome Sequencing Identifies Novel Gene Associated with Hereditary Spastic Paraplegias Among Saudi Patients. Ashwag al-yousef, Lama Aldawsari, **Maha Meshal Alrasheed**. " Poster", The 6th pharmacy research symposium, College of pharmacy, Qassim University, March 2019, Qassim, Saudi Arabia.
10. The Role of *DIO1*, *DIO2* and *TSH β* Polymorphism in Differentiated Thyroid Cancer and Drug Response to Therapy in the Saudi Population: A Pharmacogenetic Study. Ashwaq Mohammed Alanazi, Rawan Alshalhoub, **Maha Meshal Alrasheed**, Nora Abanamy, Dana Bakheet, Nduna Dzimiri. "Poster", DUPHAT, February 2019, Dubai, UAE.

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13. Genetic Analysis of Long QT Syndrome in Saudi Arabia: Identification of Causative Mutation and the Role of KCNQ1 and AKAP9. Hanan Abouzaid, Hissah Almohaini, **Maha M. AlRasheed**. “Presentation” the 8th College of Pharmacy Research day, KSU, April 2018, Riyadh, Saudi Arabia.
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22. The Role of CDKN2B Gene in Coronary Artery Disease and Myocardial Infarction in Ethnic Saudi Arabs: A Validation Study. **Maha M. AlRasheed**, MennatAllah M. Hefnawy, Nourhan N. Elsherif, Tariq M. Alhawassi, Norah O. Abanmy, Nora M. AlRasheed, Fulwah Y. Alqahtani, Fadilah S. Aleanizy, Olayan M Al-Boudari, Nduna Dzimiri. “Presentation”, DUPHAT, March 2017, Dubai, UAE.
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24. Utilization patterns of multiple sclerosis medications in Saudi Arabia: A cross-sectional retrospective study. Almaha H. Alfakhri, Zakiyah M. Alkherb, Tariq M. Alhawassi, **Maha M. AlRasheed**. “Poster” the European Conference of Human Genetics, May 2016, Barcelona, Spain.

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