

## CURRICULUM VITAE



### Prof. Madya Dr. Atif Amin Baig

#### Associate Professor

Fakulti Perubatan, Kampus Perubatan, Universiti Sultan Zainal Abidin,  
Terengganu Darul Iman.

### Personal Information

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<b>Email :</b>	atifamin@unisza.edu.my
<b>Gender :</b>	Male
<b>D.O.B :</b>	25 May 1981
<b>Age :</b>	39
<b>Race :</b>	Pakistan
<b>Religion :</b>	Islam
<b>Current Scheme:</b>	DS53
<b>Started in UniSZA:</b>	01 September 2016
<b>Qualification :</b>	Doctor of Philosophy (human Genetics), <i>Universiti Sains Malaysia</i> , 2012.  Master of Medical Microbiology, <i>Universiti Sains Malaysia</i> , 2006.  Bachelor of Medical Technology, <i>Punjab University, Pakistan</i> , 2002.
<b>H-Index :</b>	[Scopus: 6][Google Scholar: 10]

### Area of Research

Molecular Genetics and Molecular Biology Vaccinology Research Methodologies Biochemistry Research, Development and Invention towards Product development Postgraduate Motivation and Strength Development Genetics and Epigenetics of Obesity in Malaysia, Spinal Muscular Atrophy, Non opiate therapy for opiate addiction, Metacognition and Genetics in Actual Assessment in academics, Stress and Molecular Modulation, Promoter Predictions of Genes.

## **Work Experience**

Research Assistant (2005-2007)  
Research Fellow (2007-2010)  
Medical Lecturer (2010-2013)  
Senior Lecturer (2013-2015)  
Assistant Professor (2015-2016)  
Associate Professor (2016-Till date)  
Director for Biomedical Research Center (2015)  
Head of Postgraduate Lab (2013-2014)  
Module Coordinator (since 2011)  
Head of Research (2015-2016)  
MOU coordinator (2018 till date)  
Scientific Presentation Coordinator (2018 till date)  
Coordinator for Innovation and Development (2018 till date)  
Coordinator for e-Learning for Faculty of Medicine (2020-2022)

## **Administrative Responsibility**

1. Ketua Pusat Penyelidikan (bioperubatan), Fakulti Perubatan, 23 Apr 2015 - 30 Sep 2015.

## **Training**

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## **Publication**

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### **Journal Article**

1. Mapping Local Patterns of Childhood Overweight and Wasting in Low- and Middle-Income Countries Between 2000 and 2017 (2020), *Nature Medicine*, pp. 750-759, ISSN: 10788956 [Indexed by: ISI/Q1 - **Main Author**]
2. The Global, Regional, and National Burden of Inflammatory Bowel Disease in 195 Countries and Territories, 1990–2017: a Systematic Analysis for The Global Burden of Disease Study 2017 (2020), *The Lancet Gastroenterology and Hepatology*, pp. 17-30, ISSN: 24681253 [Indexed by: ISI/Q1 - **Main Author**]
3. Five Insights from The Global Burden of Disease Study 2019 (2020), *The Lancet*, pp. 1135-1159, ISSN: 01406736 [Indexed by: ISI/Q1 - **Main Author**]
4. Global Burden of 369 Diseases and Injuries in 204 Countries and Territories, 1990–2019: a Systematic Analysis for The Global Burden of Disease Study 2019 (2020), *The Lancet*, pp. 1204-1222, ISSN: 01406736 [Indexed by: ISI/Q1 - **Main Author**]
5. Global Burden of 87 Risk Factors in 204 Countries and Territories, 1990–2019: a Systematic

- Analysis for The Global Burden of Disease Study 2019 (2020), *The Lancet*, pp. 1223-1249, ISSN: 01406736 [*Indexed by: ISIQ1 - Main Author*]
6. Global Age-Sex-Specific Fertility, Mortality, Healthy Life Expectancy (hale), and Population Estimates in 204 Countries and Territories, 1950–2019: a Comprehensive Demographic Analysis for The Global Burden of Disease Study 2019 (2020), *The Lancet*, pp. 1160-1203, ISSN: 01406736 [*Indexed by: ISIQ1 - Main Author*]
  7. The Global Distribution of Lymphatic Filariasis, 2000–18: a Geospatial Analysis (2020), *The Lancet Global Health*, pp. 1186-1194, ISSN: 2214109X [*Indexed by: ISIQ1 - Main Author*]
  8. Measuring Universal Health Coverage Based on an Index of Effective Coverage of Health Services in 204 Countries and Territories, 1990–2019: a Systematic Analysis for The Global Burden of Disease Study 2019 (2020), *The Lancet*, pp. 1250-1284, ISSN: 01406736 [*Indexed by: ISIQ1 - Main Author*]
  9. Global Injury Morbidity and Mortality from 1990 to 2017: Results from The Global Burden of Disease Study 2017 (2020), *Injury Prevention*, pp. 96-114, ISSN: 1353-8047 [*Indexed by: ISIQ2 - Main Author*]
  10. Estimating Global Injuries Morbidity and Mortality: Methods and Data Used in The Global Burden of Disease 2017 Study (2020), *Injury Prevention*, pp. 125-153, ISSN: 1353-8047 [*Indexed by: ISIQ2 - Main Author*]
  11. Association of Angiotensin Converting Enzyme (ace) Gene Insertion/deletion (i/d) Polymorphism with Obesity and Obesity Related Phenotypes in Malay Subjects (2020), *Jordan Journal of Biological Sciences*, pp. 267-273, ISSN: 19956673 [*Indexed by: Scopus - Co-author*]
  12. Determinant Social Factors Influencing Obesity Among Malay People (2020), *Opción*, pp. 249-262, ISSN: 1012-1587 [*Indexed by: Scopus - Co-author*]
  13. A Pilot Study on The Validation of Vis-Screen Mobile Application for Vision Test (2020), *Journal of Asian Behavioural Studies (jabs)*, 5(15) Jan / Apr 2020 (pp.1-16), pp. 1-16, ISSN: eISSN: 2514-7528 © 2020 [*Indexed by: Other Index - Co-author*]
  14. Antiviral Treatment Options for Covid-19 by Reduction of Viral Load and Viral Shedding (2020), *International Journal of Medical and Biomedical Studies*, pp. 74-75, ISSN: 2589-868X [*Indexed by: Other Index - Main Author*]
  15. Treatment of Gastroenteritis in Covid-19 Children (2020), *International Journal of Medical and Biomedical Studies*, pp. , ISSN: 2589-8698 [*Indexed by: Other Index - Main Author*]
  16. Zinc Supplementation for Respiratory Illness and Acute Gastroenteritis as Complement Treatment for Covid-19 (2020), *International Journal of Medical and Biomedical Studies*, pp. 79-81, ISSN: 2589-8698 [*Indexed by: Other Index - Main Author*]
  17. Risk Factors of Covid 19 Transmission in Cholera Endemic Countries (2020), *International Journal of Medical and Biomedical Studies*, pp. 82-83, ISSN: 2589-8698 [*Indexed by: Other Index - Main Author*]
  18. The Genetics Associated with Primary Congenital Glaucoma (2020), *Advancements in Life Sciences*, pp. 106-112, ISSN: 2310-5380 [*Indexed by: ISI - Main Author*]
  19. Hif1 (rs11549465) and Nfkb1 (rs28362491) Variants Association with Obesity in Malaysia (2020), *Meta Gene*, pp. 1-2, ISSN: 22145400 [*Indexed by: ISI - Main Author*]
  20. Health Risk Assessment of Heavy Metals Via Dietary Intake of Foodstuffs from The Multan, Pakistan (2019), *Annals of Life Sciences*, pp. 8-16, ISSN: 2521-926X [*Indexed by: Other Index - Main Author*]
  21. Effects of Papaya Seeds on Quantitative Hematological Parameters in Female Rabbits (2019), *Annals of Life Sciences*, pp. 1-11, ISSN: [*Indexed by: Other Index - Main Author*]
  22. Parental Experience and Use of Probiotics Among Children Aged Twelve Months and Above (2019), *Asian Journal of Medicine and Biomedicine*, pp. 9-15, ISSN: 2600-8173 [*Indexed by:*

*Other Index - Main Author]*

23. Role of Complementary and Alternative Medicine in Treatment and Prevention of Obesity; Molecular Strategies to Recommended Acceptance (2019), American Journal of Biomedical Sciences and Research, pp. 324-326, ISSN: 2642-1747 [*Indexed by: Other Index - Main Author]*
24. Beetroot Based Ors for Treatment of Cholera (2019), Global Journal of Nutrition & Food Science, pp. 1, ISSN: 2644-2981 [*Indexed by: Other Index - Main Author]*
25. Cholera Treatment with Beetroot Based Ors in Malnourished Children (2019), International Journal of Medical and Biomedical Studies, pp. 229-230, ISSN: 2589-8698 [*Indexed by: Other Index - Main Author]*
26. Integrated Role of Social Elements Toward Obesity in Malay Community (2019), Journal of Asian Scientific Research, pp. 235-243, ISSN: 2223-1331 [*Indexed by: Other Index - Co-author]*
27. The Global, Regional, and National Burden of Inflammatory Bowel Disease in 195 Countries and Territories, 1990–2017: a Systematic Analysis for The Global Burden of Disease Study 2017 (2019), The Lancet Gastroenterology and Hepatology, pp. 1-14, ISSN: 2468-1253 [*Indexed by: Other Index - Main Author]*
28. Genetics of Primary Congenital Glaucoma (2019), International Journal of Biosciences, pp. 495-505, ISSN: 2220-6655 [*Indexed by: Other Index - Main Author]*
29. An Overview of Abo and Rh Blood Group Dissemination in General Population of Azad Kashmir, Pakistan (2019), International Journal of Biosciences, pp. 511-517, ISSN: 2220-6655 [*Indexed by: Other Index - Main Author]*
30. Isolation and Antibiogram of Acinetobacter Bauminnii Recovered from Human Clinical Specimen in a Tertiary Care Setting from Lahore, Pakistan (2019), International Journal of Biosciences, pp. 587-593, ISSN: 2220-6655 [*Indexed by: Other Index - Main Author]*
31. The Predominance of Helicobacter Pylori Infection in Children with Abdominal Cramping (2019), International Journal of Biosciences, pp. 562-567, ISSN: 2220-6655 [*Indexed by: Other Index - Main Author]*
32. Honey as a Potential Natural Antioxidant Medicine: an Insight into Its Molecular Mechanisms of Action (2018), Oxidative Medicine and Cellular Longevity, pp. 1-2, ISSN: 19420900 [*Indexed by: ISIQ2 - Main Author]*
33. Validation of a Tool to Measure Occupational Safety and Health Performance of Employees (2018), Research Journal of Pharmacy and Technology, pp. 2977-2984, ISSN: 0974-3618 [*Indexed by: Scopus - Co-author]*
34. Quantitative and Optimization of Phenolic Acid Extracted from Pomegranate by High Performance Liquid Chromatography (hplc) (2018), Pharmacognosy Journal, pp. 969-972, ISSN: 09753575 [*Indexed by: Scopus - Co-author]*
35. Quantitative and Optimization of Anthocyanin Extracted from Pomegranate (punica Granatum) Extract by High-Performance Liquid Chromatography (hplc) (2018), Pharmacognosy Journal, pp. 650-653, ISSN: 09753575 [*Indexed by: Scopus - Co-author]*
36. Effect of Gynura Procumbens Extracts on Anti-Proliferative Activity and Its Associated Morphological Changes of Human Glioblastoma Multiforme Cell Line (u-87) (2018), Pharmacognosy Journal, pp. 492-496, ISSN: 0975-3575 [*Indexed by: Scopus - Co-author]*
37. A Systematic Review of Determinant-Social Factors Related to Obesity Among Malay Obese Community in Malaysia (2018), International Journal of Academic Research in Business & Social Sciences, pp. 2222-6990, ISSN: 2222-6990 [*Indexed by: ERA - Co-author]*
38. A Correlational Analysis of Social Factors with Obesity Among Malay Obese People (2018), International Journal of Engineering & Technology, pp. 1-6, ISSN: 2227-524X [*Indexed by: Other Index - Co-author]*



39. Unique Alzheimer's Disease Challenge Reports in Malaysia (2018), Research Journal of Pharmacy and Technology, pp. 4033-4034, ISSN: 0974-3618 [*Indexed by: Other Index - Main Author*]
40. Swot Analysis of Physiotherapy Profession in Pakistan (2018), Research Journal of Pharmacy and Technology, pp. 4553-4558, ISSN: 0974-3618 [*Indexed by: Other Index - Main Author*]
41. Effect of Daily Supplementation of Malaysian Jungle Tualang Honey and Australian/new Zealand Manuka Honey on Hematological and Some Biochemical Variables in Female Rats (2018), Annals of Life Sciences, pp. 10-22, ISSN: 2348-1927 [*Indexed by: Other Index - Main Author*]
42. Synergistic Molecular Effect of Bdnf, Apoe and Mthfr in Inducing Depression in Alzheimer's Disease (2018), Research Journal of Pharmacy and Technology, pp. 4317-4323, ISSN: 0974-3618 [*Indexed by: Other Index - Main Author*]
43. Characterization of a Pomegranate (punica Granatum) Extract Towards Development of Anthocyanin Based on a Non-Opioid Substitution Therapy in in Vitro and in Vivo Studies (2018), Health and The Environment Journal, pp. 14-27, ISSN: 2180-1126 [*Indexed by: Other Index - Co-author*]
44. Molecular Characterization of  $\alpha$ -Enolase and Endonuclease a in Streptococcus Pneumoniae Towards The Molecular Interaction in Netosis (2018), Health and The Environment Journal, pp. b14-b27, ISSN: 2180-1126 [*Indexed by: Other Index - Co-author*]
45. Characterization of a Pomegranate (punica Granatum) Extract Towards Development of Phenolic Acids Based on a Non-Opioid Substitution Therapy: in Vitro and in Vivo Studies (2018), Health and The Environment Journal, pp. b14-b27, ISSN: 2180-1126 [*Indexed by: Other Index - Co-author*]
46. Effects of Oxidative Stress on Alzheimer's Disease, Haematological Perspective (2018), Research Journal of Pharmacy and Technology, pp. 3881-3886, ISSN: Research Journal of Pharmacy and Technology [*Indexed by: Other Index - Co-author*]
47. Cholera Treatment in Malnourish Children (2018), Global Journal of Nutrition & Food Science, pp. 1-2, ISSN: 2249-4618 [*Indexed by: Other Index - Main Author*]
48. Frontotemporal Dementia (ftd), Late Onset Secondary to Total Abdominal Hysterectomy-Bilateral Salpingo-Oophorectomy: a Case Report in Malaysia (2018), Research Journal of Pharmacy and Technology, pp. 4492-4496, ISSN: 0974-3618 [*Indexed by: Other Index - Co-author*]
49. Obesity Leads to Elevated Level of Circulating Cell-Free Dna (2018), Current Trends in Biomedical Engineering & Biosciences How, pp. 001-004, ISSN: 2572-1151 [*Indexed by: Other Index - Main Author*]
50. Correlation of Internet Addiction Disorder with Level of Stress and Bdnf Gene (val66met) Polymorphism Among Medical Students in Malaysia (2018), Research Journal of Pharmacy and Technology, pp. 3819-3825, ISSN: 0974-3618 [*Indexed by: Other Index - Co-author*]
51. Quantification of Antinuclear Antibodies (igg) Existence in General Population of Pakistan (2018), Research Journal of Pharmacy and Technology, pp. 4339-4342, ISSN: 0974-3618 [*Indexed by: Other Index - Main Author*]
52. Computational Characterization of The Promoter Region of Smn2 (survival of Motor Neuron) Gene (2018), Research Journal of Pharmacy and Technology, pp. 2729-2736, ISSN: 0974-3618 [*Indexed by: Other Index - Main Author*]
53. Prevalence of Obesity in Malaysia: Perspectives in Terengganu (2018), Asian Journal of Medicine and Biomedicine, pp. 16-19, ISSN: 2600-8173 [*Indexed by: Other Index - Main Author*]
54. Sleep Deprivation and Cognitive Performances: Methodological Processes Towards

- Suggestive Mechanisms (2018), Research Journal of Pharmacy and Technology, pp. 3658-3666, ISSN: 0974-360X [*Indexed by: Other Index - Co-author*]
55. Cemented Versus Cementless Primary Hip Replacement: Assessment of Leg Length Inequality (2017), Journal Young Pharm, pp. 327-331, ISSN: 09751505 [*Indexed by: Scopus - Co-author*]
56. Molecular Modulation of Stress Induced to Abnormal Haematological Indices in Medical Students, Malaysian Perspective (2017), Pakistan Journal of Biological Sciences, pp. 1-11, ISSN: 1028-8880 [*Indexed by: Scopus - Main Author*]
57. Cytotoxicity Effect and Morphological Study of Different Duku(lansium Domesticum Corr.) Extract Toward Human Colorectal Adenocarcinoma Cells Line (ht-29) (2017), Pharmacognosy Journal, pp. 757-761, ISSN: 0975-3575 [*Indexed by: ERA - Co-author*]
58. Prevalence of Vitamin D Deficiency in Pakistani Population (2017), Research Journal of Pharmacy and Technology, pp. 49-50, ISSN: 0974-3618 [*Indexed by: Other Index - Co-author*]
59. Determination of Vital Anthropometric Indices and Their Association with Obesity Related Cardiovascular Risk Factors Among Malay Obese Attributes Towards Rising Malaysian Obesity (2017), Research Journal of Pharmacy and Technology, pp. 53-53, ISSN: 0974-3618 [*Indexed by: Other Index - Main Author*]
60. Comparative Analysis of The Anthropometric Indices Between Malay Obese Attributes and Normal Healthy Individuals (2017), Research Journal of Pharmacy and Technology, pp. 53-54, ISSN: 0974-3618 [*Indexed by: Other Index - Main Author*]
61. Frequencies of Gynocoid, Android and Barrel Shape in Malay Obese Attributes (2017), Research Journal of Pharmacy and Technology, pp. 54-55, ISSN: 0974-3618 [*Indexed by: Other Index - Main Author*]
62. A Novel Screening Tool to Characterize The Gynocoid, Android and Barrel Shaped Obesity (2017), Research Journal of Pharmacy and Technology, pp. 54-55, ISSN: 0974-3618 [*Indexed by: Other Index - Main Author*]
63. Oral: Development of Novel Tool for The Quantification of Obesity Related/ Induced Non-Genetics Associated Factors in Malaysia (2017), Research Journal of Pharmacy and Technology, pp. 55-56, ISSN: 0974-3618 [*Indexed by: Other Index - Co-author*]
64. Malaysian Obesity Dna Bank; Towards Developing Anti Obese Nation Wide Strategy (2017), Research Journal of Pharmacy and Technology, pp. 56-56, ISSN: 0974-3618 [*Indexed by: Other Index - Main Author*]
65. Prevalence of Helicobacter Pylori Infection in Pakistani Population (2017), Research Journal of Pharmacy and Technology, pp. 58-58, ISSN: 0974-3618 [*Indexed by: Other Index - Main Author*]
66. Molecular Characterization of Cyp1b1 in Primary Congenital Glaucoma in Pakistan (2017), Research Journal of Pharmacy and Technology, pp. 58-59, ISSN: 0974-3618 [*Indexed by: Other Index - Main Author*]
67. Molecular Characterization of The Promoter Region of The Nuclear Factor Kappa-B Subunit 1 (nfkb1) Gene; Towards Its Involvement in Susceptibility to Obesity in Malay Obese Attributes (2017), Research Journal of Pharmacy and Technology, pp. 59-59, ISSN: 0974-3618 [*Indexed by: Other Index - Main Author*]
68. Molecular Characterization of The Promoter Region of The Vascular Endothelial Growth Factor (vegf) Gene; Towards Its Involvement in Susceptibility to Obesity in Malay Obese Attributes (2017), Research Journal of Pharmacy and Technology, pp. 60-60, ISSN: 0974-3618 [*Indexed by: Other Index - Main Author*]
69. Molecular Characterization of The Promoter Region of The Brain Derived Neurotrophic Factor (bdnf) Gene; Towards Its Involvement in Academic Stress Induced Oxidative Stress

- and Blood Indices Alteration in Medical Students (2017), Research Journal of Pharmacy and Technology, pp. 60-61, ISSN: 0974-3618 [*Indexed by: Other Index - Main Author*]
70. Frequency of Antinuclear Antibodies in Normal Healthy Population in Pakistan (2017), Research Journal of Pharmacy and Technology, pp. 61-61, ISSN: 0974-3618 [*Indexed by: Other Index - Main Author*]
71. Prevalence of Obesity in Malay Population in Malaysia Based on The Bmi Status; a Study in Terengganu (2017), Research Journal of Pharmacy and Technology, pp. 61-62, ISSN: 0974-3618 [*Indexed by: Other Index - Co-author*]
72. Research Institution Via Z to a Based Graphs (2017), Research Journal of Pharmacy and Technology, pp. 62-63, ISSN: 0974-3618 [*Indexed by: Other Index - Main Author*]
73. Leg Length Discrepancy Following Primary Hip Arthroplasty: a Comparison Between Two Different Procedures; Hemiarthroplasty and Total Hip Arthroplasty (2017), Research Journal of Pharmaceutical, Biological and Chemical Sciences, pp. 515-521, ISSN: 0975-8585 [*Indexed by: Other Index - Co-author*]
74. Alpha-Tocopherol Administration in Diabetics as Preventive and Therapeutic Agents in Oxidative Stress (2017), Current Trend in Biomedical Engineering & Biosciences, pp. 1-2, ISSN: 2572-1151 [*Indexed by: Other Index - Co-author*]
75. Comparison Between Yogurt and Commercial Probiotics in The Duration of Diarrhea in Pediatric Age Group (2017), Malaysian Journal of Paediatrics and Child Health, pp. 1-9, ISSN: 1511 - 4511 [*Indexed by: Other Index - Main Author*]
76. Role of Tocopherols in Treatment of Depression Related Alzheimer's Disease (2017), Primary Healthcare: Open Access, pp. 1-3, ISSN: 2167-1079 [*Indexed by: Other Index - Co-author*]
77. Development of Novel Tool for The Quantification of Obesity Related/ Induced Non Genetics Associated Factors in Malaysia (2017), Research Journal of Pharmacy and Technology, pp. 6-6, ISSN: 0974-3618 [*Indexed by: Other Index - Co-author*]
78. Fat-O: a Natural, Halal, Cost Effective and Holistic Novel Anti-Obesity Drink (2017), Research Journal of Pharmacy and Technology, pp. 16-16, ISSN: 0974-3618 [*Indexed by: Other Index - Main Author*]
79. Angiotensin-1 Converting Enzyme I/d Gene Polymorphism: Its Prevalence and Association with Obesity Among Malaysian Malay Subjects (2017), Research Journal of Pharmacy and Technology, pp. 57-58, ISSN: 0974-3618 [*Indexed by: Other Index - Co-author*]
80. X-Infect: Halal, Non Toxicogenic, Anti-Bacterial, Anti-Fungal and Multipurpose Cleaning Detergent; Towards Development of Multipurpose Skin Ointment (2017), Research Journal of Pharmacy and Technology, pp. 56-57, ISSN: 0974-3618 [*Indexed by: Other Index - Main Author*]
81. Fat-Mass and Obesity-Associated (fto) Gene Polymorphism (rs9939609): Genotypic, Allelic Frequency in Malay Obese Attributes (2017), Research Journal of Pharmacy and Technology, pp. 52-53, ISSN: 0974-3618 [*Indexed by: Other Index - Main Author*]
82. Amyand's Hernia: The Clinical and Diagnostic Insight of a Rare Case. (2017), Research Journal of Pharmaceutical Biological and Chemical Sciences, pp. 545-548, ISSN: 0975-8585 [*Indexed by: ISI - Co-author*]
83. Contribution of The Pro12ala Polymorphism of Peroxisome Proliferator-Activated Receptor  $\alpha 2$  Gene in Relation to Obesity (2016), View at Publisher| Export | Download | Add to List | More... Meta Gene, pp. 39-44, ISSN: 22145400 [*Indexed by: Scopus - Co-author*]
84. Potential Effects of Duku (*Lansium Domesticum* Corr) and Langsat (*Lansium Domesticum* Jack) Extracts on The Growth of *Bifidobacteria* Spp (2016), International Journal of Pharmacy and Pharmaceutical Sciences, pp. 69-74, ISSN: 09751491 [*Indexed by: Scopus - Co-author*]
85. Risk Factors for Childhood Pneumonia in North Eastern Pakistan: a Case-Control Study



(2016), Malaysian Journal of Paediatrics and Child Health, pp. 26-34, ISSN: 1511-4511  
 [Indexed by: Other Index - **Co-author**]

## **Book**

1. Social Factors and Obesity: a Study in Pakistan (2019), Independently published, Amazon, ISBN: 978-1694042125 - **Main Author**
2. Biocmetza Lab (2019), LuLu, USA, ISBN: 978-0-359-81000-0 - **Main Author**
3. Biometza: Basics of Biochemistry (2018), Lulu, ISBN: 9780359077182 - **Main Author**
4. Introduction to Food Microbiology for Undergraduates (2018), CreateSpace Independent Publishing Platform, ISBN: 9781979680578, - **Co-author**
5. General Safety Procedures in Biomedical Laboratory: Laboratory Pocket Manual (2018), CreateSpace Independent Publishing Platform, ISBN: 978-1717365477 - **Co-author**
6. One Hundred Problem Based Questions in Clinical Chemistry: for Undergraduates & Postgraduates (2017), CreatSpace, USA, ISBN: 9781979092074 - **Main Author**
7. Lactose Intolerance in Pakistan: Prevalence and Related Issues (2017), CreatSpace, USA, ISBN: 9781542708227 - **Main Author**
8. Islamic Value of Arabic Language Terminology in Teaching and Learning: Special Purpose in Management Studies (2017), CreateSpace Independent Publishing Platform, ISBN: 978-1541196452 - **Co-author**
9. Volatile Compounds in Effective Bait: Microbiological and Chemometric Approaches (2017), CreateSpace Independent Publishing Platform, ISBN: 978-1548762247 - **Co-author**
10. Recovery Integration Model Takaful Education Plan for Disabled Children (2016), Createspace, ISBN: 9781540763174 - **Co-author**

## **Conference Proceedings**

1. Validation of Vis-Screen Mobile Application for Easy Vision Test by General Public: a Pilot Study (2019), 8th Asian Conference on Environment-Behaviour Studies,, Holiday Villa Resorts & Spa, Langkawi Island, Malaysia - **Co-author**
2. Vis-Screen: Easy and Rapid Identification of Visual Impairment (2019), 5th All Pakistan Duhs-Dice Health Innovation Exhibiton 2019, Karachi, Pakistan - **Co-author**
3. Mc200 - Ap1:vis-Screen: a Vision Screening Mobile Application (2019), 7th Usm Ophthalmology Symposium, Hotel Perdana, Kota Bharu - **Co-author**
4. A Preliminary Study on Validation of Visscreen Mobile Application for Vision Screening (2019), 122nd Annual Meeting of The Korean Ophthalmological Society 2019, Walkerhill Hotel, Seoul, Korea - **Co-author**
5. X-Fever, Water Free Cold Sponge (2018), 3rd International Symposium on Advances in Molecular Biology of Plants and Health Sciences, Lahore, Pakistan - **Main Author**
6. Genotypic and Allelic Frequencies of Hf1 (rs11549465) Variation in Association with Antropometric Indices and Lipid Profile in Malay Obese Attributes (2018), 3rd International Symposium on Advances in Molecular Biology of Plants and Health Sciences, Lahore, Pakistan - **Main Author**
7. The Correlation Between Antropometric Indices and Lipid Profile Indices Among Malay Obese Attributes (2018), 3rd International Symposium on Advances in Molecular Biology of Plants and Health Sciences, Lahore, Pakistan - **Main Author**
8. Genotypic and Allelic Frequencies of Npk8 1(rs28362491) Variation in Association with Antropometric Indices and Lipid Profile in Malay Obese Attributes (2018), 3rd International



- Symposium on Advances in Molecular Biology of Plants and Health Sciences, Lahore, Pakistan - **Main Author**
9. The Val66met Polymorphism in The Brain Derived Neurotrophic Factor (bDNF) Gene and its Potential Association with Stress Levels and Haematological Parameters (2018), 3rd International Symposium on Advances in Molecular Biology of Plants and Health Sciences, Lahore, Pakistan - **Main Author**
  10. EtBr Gel Filter; Go Green in DNA Analysis (2018), 3rd International Symposium on Advances in Molecular Biology of Plants and Health Sciences, Lahore, Pakistan - **Main Author**
  11. Pabza: Tool for Increasing Cognition in Anatomy Via Metacognitive Enhancement (2018), 8th Asia Pacific International Congress of Anatomists (APICA), BEXCO Busan - **Co-author**
  12. Analgesic and Anti-Inflammatory Effect of Aqueous Extract of Date Palm (*Phoenix Dactylifera* L.) Fruit on Injury in Rats (2018), 6th Biennial Scientific Meeting Malaysian Association for the Study of Pain 2018, National Cancer Institute, Putrajaya - **Co-author**
  13. Ibtikar Nizam Tijarah Fi Addin Islami (e-Infai) (2018), Unisza Carnival on E-Learning (unicel2018), Unisza - **Co-author**
  14. Prevalence of MRSA in Milk from Selected Dairy Goat Farms in Besut and Setiu, Terengganu (2017), 29th Veterinary Association Malaysia Congress, Shah Alam - **Co-author**
  15. Research Institution Via Z to a Based Graphs (2017), International Community and Health Conference 2017, Faculty of Medicine, University Sultan Zainal Abidin, Kuala Terengganu - **Main Author**
  16. Frequency of Antinuclear Antibodies in Normal Healthy Population in Pakistan (2017), 1st International Community of Health Conference 2017, Faculty of Medicine, University Sultan Zainal Abidin, Kuala Terengganu - **Co-author**
  17. Prevalence of Obesity in Malay Population in Malaysia Based on The BMI Status; a Study in Terengganu (2017), International Community Health Conference 2017, Kuala Terengganu - **Co-author**
  18. Angiotensin-1 Converting Enzyme I/d Gene Polymorphism: Its Prevalence and Association with Obesity Among Malaysian Malay Subjects (2017), 1st International Community Health Conference 2017, Faculty of Medicine, Unisza - **Co-author**

## Research Grant

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### **Principal Investigator**

1. Role of  $\beta$ -Enolase Induced, and Endonuclease Driven Degradation of Netosis, in Immunogenicity of *S. pneumoniae*; Towards Development of Novel, Least Toxicogenic, Immunogenic, Environmental Safe and Cost Effective *Streptococcus pneumoniae* Vaccine Candidates, Skim Geran Penyelidikan Fundamental - Frgs, Government (2017), **Grant Value: RM175,800**

### **Co-Researcher**

1. Validation of Visscreen Mobile Application for Vision Screening in The Community, Geran Penyelidikan Pembangunan Prototaip - Prgs, Government (2019), Grant Value: **RM114,650**
2. The Relationship Between Dietary Fruit Intake, Camp Responsive Element-Binding (CREB)

- Protein and Brain Derived Neurotrophic Factor (bdnf) Levels Among Adolescent in Rural and Urban Terengganu., Geran Dalam Universiti, University (2018), Grant Value: **RM30,000**
3. Association of Genotypic and Allelic Frequencies of Vegf Promoter Variations with Anthropometric Indices, Lipid Profile and Non-Genetic Associated Factors of Obesity in The Terengganu Malay Population, Geran Dalam Universiti, University (2017), Grant Value: **RM20,000**

## Postgraduate Student

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### Main Supervision

1. [PhD ] Dr Shahid Mitha, Pakistan, - **Ongoing**
2. [PhD ] Gotam Kumar, Pakistan, - **Ongoing**
3. [PhD ] Iqbal Saima, Pakistan, - **Ongoing**

### Co Supervision

1. [PhD ] Ullah Saif, Pakistan, - **Completed**
2. [MASTER] Amer Jamil Mahmoud Alzeer, Jordan, - **Completed**
3. [MASTER] Norhaslinda Bt Ridzwan, Malaysia, - **Completed**

## Awards

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1. Silver Medal Mpi 2020 (2020), Malaysian Obesity Bank Towards Developing Holistic Anti Obese Nation Wide Strategy, Minggu Penyelidikan dan Inovasi - **Leader**
2. Silver Medal Mpi 2020 (2020), E-Peace: Psychoacoustic Therapy E-Manual; Towards Transcending The Cognitive and Psychology, Minggu Penyelidikan dan Inovasi 2020 - **Member**
3. Free Paper Presentation Award - 2nd Prize (2019), Oral Presentation on Vis-Screen Validation Pilot Study, 9th Conjoint Ophthalmology Scientific Conference - **Member**
4. Gold Medal Mpi 2019 (2019), Survivor Pengurusan Hutang Pra Muflis, Minggu Penyelidikan dan Inovasi 2019 - **Member**
5. Bronze Medal Mpi 2019 (2019), Ezifoodgmp, Minggu Penyelidikan & Inovasi 2019 - **Member**
6. Silver Medal Mpi 2019 (2019), Kualiti Hidup Komuniti Terpilih 2.0 (qol-My 2.0), Minggu Penyelidikan & Inovasi 2019 (mpi) - **Member**
7. Gold Medal Unicel 2019 (2019), Kualiti Hidup Komuniti Terpilih 2.0 (qol-My 2.0), Unisza Carnival on E-Learning 2019 (unicel 2019) - **Member**
8. Gold Medal Unicel 2019 (2019), Mygene, Unisza Carnival on E Learning 2019 (unicel 2019) - **Member**
9. Bronze Medal Mpi 2019 (2019), Mygene, Minggu Penyelidikan and Inovasi - **Leader**
10. Gold Medal Mpi 2019 (2019), Vis-Screen: a Mobile Application for Vision Screening, Mpi 2019 - **Member**

11. Gold Medal Did Joghoh 2018 (2018), D-Brains, 1st Digitalised International Invention, Innovation & Design Competition (diiid Johor 2018) - **Member**
12. Bronze Medal Mpi 2018 (2018), D-Brains, Minggu Penyelidikan & Inovasi 2018 - **Member**
13. Bronze Medal Iucel 2018 (2018), Obesity Socials, Invention, Innovation & Design on E-Learning (iidel) - International University Carnival on E-Learning (iucel) 2018 - **Leader**
14. Gold Medal Mpi 2018 (2018), Obesity Socials, Minggu Penyelidikan dan Inovasi 2018 (mpi\18) - **Leader**
15. Silver Mpi 2018 (2018), Ezidna, Minggu Penyelidikan dan Inovasi 2018 - **Member**
16. Gold Medal Mpi 2018 (2018), Obesity Socials, Minggu Penyelidikan dan Inovasi 2018 - **Leader**
17. Bronze Medal Itex 2018 (2018), Toco-Plus, Itex 2018 - **Member**

## Intellectual Property

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1. Sunisza3 (sp\*enda) (ly2020005144) (2020), Copyright - **Owner**
2. Sunisza1 (sp\*enol) (ly2020005143) (2020), Copyright - **Owner**
3. Mob (malaysian Obesity Bank) (ly2020002458) (2020), Copyright - **Owner**
4. Breast Cancer Risk Assessment Application (bcra) for Early Screening and Prognosis of Breast Cancer in Males and Females (ly2019004815) (2019), Copyright - **Co-owner**
5. Ez Kt (easy Kuala Terengganu) (ly2019003342) (2019), Copyright - **Owner**
6. Pabza (ly2019003341) (2019), Copyright - **Owner**
7. Vis-Screen (ly2019003334) (2019), Copyright - **Co-owner**
8. Ezifood Gmp (good Manufacturing Practices) (ly2019003329) (2019), Copyright - **Co-owner**
9. Ezimicrobes (ly2019003324) (2019), Copyright - **Co-owner**
10. Mygene : Mobile App (ly2019002691) (2019), Copyright - **Owner**
11. Etbr Gel Filter (ly2019002690) (2019), Copyright - **Owner**
12. X-Fever (ly2019002683) (2019), Copyright - **Owner**
13. Phymedza (ly2019002685) (2019), Copyright - **Co-owner**
14. Soal Selidik Pengukuran Tahap Kualiti Hidup (qol-My) (2018), Copyright - **Co-owner**
15. Obesity Socials (2018), Copyright - **Owner**
16. Asindex (2018), Copyright - **Owner**
17. D-Brains (2018), Copyright - **Co-owner**
18. Fat-O (2017), Copyright - **Owner**
19. X Inflect (2017), Copyright - **Owner**

## Professional Membership

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1. Member, Member - Global Burden of Disease (gbd) Collaborator Network, 2019-2019
2. Member, Council Member of Persatuan Genetik Malaysia, 2017-2018
3. Member, Associate Member of Cancer Epigenetics Society, 2017-2018
4. Member, Member of International Youth Neuroscience Association, 2017-2017

## Academic Ecosystem

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1. Member, Member - International Association of Innovation Professionals, 2020-2022
2. Editor, Editorial Board - International Journal of Genetics and Genomics, 2019-2020
3. Editor, Regional Editor - Molecular Enzymology and Drug Targets, 2019-2020
4. Speaker/trainer, Speaker - International Symposium on Metabolic Obesity & Role of Thyroid, 2020-2020
5. Committee, Organizing Committee - 2nd International Conference on Biochemistry and Enzymology, 2020-2020
6. Reviewer, Reviewer - Meta Gene, 2020-2020
7. Reviewer, Reviewer - Journal of Taibah University for Science, 2020-2020
8. Keynote Speaker, Keynote Speaker - International Symposium "Pakistan Halal Industry; a Gateway to Success", 2019-2019
9. Reviewer, Reviewer - Journal of Food Research, 2019-2019
10. Examiner, External Examiner for Master Viva Voce (syahirah Samsudin) / Uitm, 2019-2019
11. Editor, Technical Editor in Pakistan Journal of Biological Sciences, 2017-2018
12. Speaker/trainer, Speaker in 'basic Computational Analysis of Dna Sequence' Workshop, 2018-2018
13. Speaker/trainer, Speaker in 'basics of Polymerase Chain Reaction (computational to Bench Work)', 2018-2018
14. Member, Member of International Journal of Development & Sustainability Society , Japan, 2017-2018

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The image shows a large, faint watermark of the UniSZA logo. The logo consists of a circular emblem with a stylized geometric design in the center, surrounded by a laurel wreath. Below the emblem, the text 'UNISZA' is written in a large, bold, sans-serif font.