



MUHAMMAD ARIF

NAME MUHAMMAD ARIF

FATHER'S NAME MIAN MUHAMMAD TARIQ

DATE OF BIRTH DECEMBER 25, 1967

SUMMARY OF QUALIFICATIONS

- M.Sc (Statistics): 4.00 / 4.00
- M.Phil (Statistics): 4.00 / 4.00
- M.Sc (Computer Science): 3.68 / 4.00

LECTURER
WORK

EXPERIENCE [13-10-1993 To DATE] DEPARTMENT OF MATHEMATICS &
STATISTICS UNIVERSITY OF AGRICULTURE FAISALABAD, PAKISTAN

- TEACHING AND RESEARCH IN THE FIELD OF STATISTICS

Acedemetic Achievmnts

EXPERIENCED USER OF:

- ❖ OPERATING SYSTEMS (WINDOWS, DOS)
- ❖ WORD PROCESSING SOFTWARE (E.G., MICROSOFT WORD AND WORD PERFECT)
- ❖ SPREADSHEET SOFTWARE (E.G., MICROSOFT EXCEL)
- ❖ PRESENTATION SOFTWARE (E.G., MICROSOFT POWERPOINT)
- ❖ DATABASE SOFTWARE (E.G., MICROSOFT ACCESS AND ORACLE)
- ❖ STATISTICAL PACKAGES LIKE **SAS, STATISTICA, SPSS, GENSTAT, MINITAB, EVIEWS, WIN QSB AND MSTATC**

PROFESSIONAL MEMBERSHIPS

1. MEMBER; PAKISTAN STATISTICAL ASSOCIATION, FAISALABAD CHAPTER
2. MEMBER; ISOSS (Islamic Society of Statistical Sciences)

RESEARCH REPORTS

1. SUPERVISED 145 M.SC (STATISTICS) AS MAJOR SUPERVISOR

SUPERVISED

2. SUPERVISED 55 M.PHIL(STATISTICS) AS MAJOR SUPERVISOR
3. SUPERVISED 305 M,Sc MEMBER OF SUPERVISORY COMMITTEE
4. SUPERVISED 85 M.PHIL(STATISTICS)AS A MEMBER OF SUPERVISORY COMMITTEE

PROJECTS

1. **Co-PRINCIPAL INVESTIGATOR**; DEVELOPMENT OF FORECASTING MODELS OF MAJOR CROPS IN PAKISTAN. (FUNDED BY PAKISTAN SCIENCE FOUNDATION.)
2. **Co-PRINCIPAL INVESTIGATOR**; STRENGTHING AND ANALYSIS CAPABILITIES OF NATIONAL AGRICULTURAL RESEARCH TRIALS (FUNDED BY PAKISTAN ARGICULTURE RESEARCH COUNCIL, ISLAMABAD, PAKISTAN)

PATENTS AND PUBLICATIONS

1. Improvement of chapter on statistical analysis as developer for the selected content for the study material of CAF-6 managerial and financial analysis.
The institute of chartered accountants of Pakistan
2. Fariq, M.S. Ahmad, and **M. Arif**. ERROR VARIANCE OF FIELD EXPERIMENTS USING DIFFERENT LAYOUTS. ISOSS BULLETIN LAHORE, PAKISTAN.
3. U. Rashid, F. Anwar, and **M. Arif** "Optimization of Base Catalytic Methanolysis of Sunflower (*Helianthus annuus*) Seed Oil for Biodiesel Production by Using Response Surface Methodology" (2009) Industrial and Engineering Chemistry Research Vol:48 pp:1719-1729
Impact Factor:2.235
4. U. Rashid, F. Anwar, T.M. Ansari, **M. Arif** and M. Ahmad "Optimization of Alkaline Transesterification of Rice Bran Oil for Biodiesel Production Using Response Surface Methodology" (2009) Journal of Chemical Technology and Biotechnology Vol:84 pp:1364-1370
Impact Factor:2.494
5. M.Kashif, M.I.Khan, **M.Arif** .M Anwar.M.Ijaz "Efficiency of Alpha Lattice Design in Rice Field Trials in Pakistan" Journal of Scientific Research (2011) Vol: 3(1) pp: 91-95
6. M.Kashif, M.I.Khan, **M.Arif**, Munir Ahmad and Khalid Mahmood "Experience in Use of Alpha lattice Design In Pakistan. International Journal of Intelligent Technologies and Applied Statistics (2011) 4(1); 133-146
7. A. Hanan, **M. Arif**, A.M. Rahjha, A. Abid, X.H. Fan and Y. C Li.
"Using Soil Potassium Adsorption and Yield Response Model to Determine Potassium Fertilizer Rates for Potato Crop on a Calcareous Soil in Pakistan" (2011) Journal of Communication in soil science and Plant Analysis Vol.42 pp:645-655
Impact Factor: 0.74
- 7 I.Bibi, Haq Nawaz Bhatti, **Muhammad Arif** and Abdul Wadood. Enhanced Decolorization of Reactive black 5 by Laccase-Natural Redox Mediator System using Response Surface Methodology. J.Chem. Soc .Pak.,Vol. 34, No. 6, 2012 pp:1375-1381
Impact Factor: 1.01
- 8 Sana Sadafa, Haq Nawaz Bhatti, **Muhammad Arif**, Misbah Amina and Farva Nazar. Adsorptive removal of direct dyes by PEI-treated peanut husk

biomass: Box–Behnken experimental design. Chemistry and Ecology, 2015 Vol. 31, No. 3, pp:252–264

Impact Factor: 1.281

- 9 Sana Sadafa, Haq Nawaz Bhatti, **Muhammad Arif**, Misbah Amina, Farva Nazar, Misbah Sultan. Box–Behnken design optimization for the removal of Direct Violet 51 dye from aqueous solution using lignocellulosic waste. Desalination and Water Treatment, 2015 Vol.56, No 09, pp: 2425-2437

Impact Factor: 1.272

- 10 Zia ul Haq, Munawar Iqbal, Yasir Jamil, Hafeez Anwar, Ayesha Younis, **Muhammad Arif**, M. Zeshan Fareed, Fida Hussain Magnetically treated water irrigation effect on turnip seed germination, seedling growth and enzymatic activities. information processing in agriculture 3 (2016) pp: 99–106

- 11 Arooj Arshad, **Muhammad Arif**. Enhanced production of streptokinase from Streptococcus agalactiae EBL-31 by response surface methodology. Pak J Pharm Sci Vol: 31 No. 4(suppl) pp:1597-1602

Impact Factor: 0.81

**ABSTRACTS
PUBLISHED IN
INTERNATIONAL
CONFERENCES**

1. HIRA ZAFAR, **MUHAMMAD ARIF** AND MUHAMMAD YASEEN

AN EMPIRICAL INVESTIGATION OF ECONOMIC VARIABLES OF PAKISTAN BY USING AUTOREGRESSIVE DISTRIBUTED LAG MODEL. PROC. 14TH INTERNATIONAL CONFERENCE ON STATISTICAL SCIENCES KARACHI, PAKISTAN – MARCH 14-16, 2016, VOL. 29, PP. 203-214

2. FARIHA SHAFIQ, **MUHAMMAD ARIF** AND MUHAMMAD YASEEN

IMPULSE RESPONSE FUNCTION ANALYSIS: AN APPLICATION TO MACROECONOMIC DATA OF PAKISTAN. PROC. 14TH INTERNATIONAL CONFERENCE ON STATISTICAL SCIENCES KARACHI, PAKISTAN – MARCH 14-16, 2016, VOL. 29, PP. 67-76

**TRAININGS
CONDUCTED AS
RESOURCE
PERSON**

1. “1st National Training Workshop on Statistical Technique Using SPSS” by Ministry of Education islamabad
2. “2nd National Training Workshop on Statistical Technique Using SPSS” By Ministry of Education islamabad
3. “Research Methodology and Analytical Techniques” held from 21-06-04 to 03-07-04 in the Department of Mathematics and Statistics, University of Agriculture, Faisalabad
4. “Advanced Biometric Techniques for Agricultural Research in Pakistan” held on June 20-25, 2005 at Department of Mathematics & Statistics, University of Agriculture, Faisalabad
5. “SPSS Training Workshop of Social Scientists” held on August 01-06, 2005 at Department of Mathematics & Statistics, University of Agriculture, Faisalabad

6. "STATISTICA Training Workshop of Biological Scientists" held on August 08-13, 2005 at Department of Mathematics & Statistics, University of Agriculture, Faisalabad
7. "Design and analysis of agricultural research experiments using STATISTICA / MINITAB" held on August 06-11, 2005 at Department of Mathematics & Statistics, University of Agriculture, Faisalabad
8. "SPSS Training for Social Sciences" held on August 13-20, 2005 at Department of Mathematics & Statistics, University of Agriculture, Faisalabad
9. "Workshop on Applied Multivariate Statistical Techniques Using Different Statistical Packages" held on June 05-10, 2006 at Department of Mathematics & Statistics, University of Agriculture, Faisalabad.
10. "Workshop on SPSS TRAINING FOR SOCIAL SCIENCES" held on august 13-20, 2007 at Department of Mathematics & Statistics, University of Agriculture, Faisalabad.

TRAININGS ATTENDED

1. **"SCIENTIFIC WRITING WORKSHOP"** ORGANIZED BY PUNJAB AGRICULTURE RESEARCH BOARD FROM 13-14 MARCH 1995 AT UNIVERSITY OF AGRICULTURE, FAISALABAD
2. **"RESEARCH ORIENTATION PROGRAM ON RESEARCH METHODOLOGY AND ANALYTICAL TECHNIQUES"** HELD ON JUNE 15-30, 2004 AT UNIVERSITY OF AGRICULTURE, FAISALABAD

COURSES ATTENDED

1. **"INFORMATION HANDLING TECHNIQUES"** ORGANIZED BY PAKISTAN SCIENTIFIC AND TECHNOLOGICAL INFORMATION CENTER (PASTIC) FROM 05-08 MAY 2003 AT UNIVERSITY OF AGRICULTURE, FAISALABAD
2. **"EU ASIA LINK PROJECT SHORT COURSE ON PRINCIPLES OF EXPERIMENTAL DESIGN AND ANALYSIS"** ORGANIZED BY SALINE AGRICULTURE RESEARCH CENTRE, UNIVERSITY OF AGRICULTURE, FAISALABAD, HELD FROM DECEMBER 1-12, 2003 AT UNIVERSITY OF AGRICULTURE, FAISALABAD
3. **"GRE PREPARATION COURSE OF 45 TEACHING HOURS"** HELD ON 27-10-2003 TO 12-11-2003 AT UNIVERSITY OF AGRICULTURE, FAISALABAD

SEMINARS ATTENDED

1. **"NATIONAL SEMINAR ON STATISTICAL APPLICATIONS IN AGRICULTURE AND INDUSTRY"** HELD ON 24-25 SEPTEMBER 1996 AT UNIVERSITY OF AGRICULTURE, FAISALABAD
2. **"BIO-INFORMATICS, INFORMATION TECHNOLOGY AND BIO-STATISTICS"** HELD ON DECEMBER 27-28, 2003 AT NATIONAL COLLEGE OF BUSINESS ADMINISTRATION AND ECONOMICS, LAHORE
3. **"WORKSHOP ON FOUNDATION OF DATA MINING"** HELD ON JUNE 11-12, 2005 AT LAHORE UNIVERSITY OF MANAGEMENT SCIENCES, LAHORE

4. "INTERNATIONAL CONFERENCE ON STATISTICAL SCIENCES" HELD ON MARCH 14-16, 2016 AT JINNAH SINDH MEDICAL UNIVERSITY (JSMU), PAKISTAN.

REFERENCES

- DR. MUHAMMAD INAYAT KHAN
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- DR. ISLAM-UD-DIN SHAHZAD,
EX-ASSOCIATE PROFESSOR / CHAIRMAN
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