

PROF. DR NIKHAT KHAN

Address: 93 Jail Road Lahore.

Office # 042- 99203781-4

Email: kc_postgraduate@kinnaird.edu.pk

Education

- Southern Illinois University, USA
1986 - 1989
Ph d
Biophysics, Maths, Biochemistry, Physics
CGPA: 4.00/4.00
- Indiana University, USA
1977 - 1979
Ms Physics
CGPA: 3.20/4.00
- Punjab University, Pakistan
1970 -1973
MSC Physics
1st division
- Punjab university, Pakistan
1968 - 1970
BSC
Physics, Math's, English
1st division

Professional Experience (Teaching)

- Professor Vice Principal
Dean, Postgraduate Programs
2008 – Present
Kinnaird College, Lahore, Pakistan
- Associate Professor
1995 – 2008
Kinnaird College, Lahore, Pakistan
- Dean, Postgraduate Programs
1998 – Present
Kinnaird College, Lahore, Pakistan

- Head General Science
1994 – 2002
Kinnaird College, Lahore, Pakistan
- Head Physics Department
1979 – 2003
Kinnaird College, Lahore, Pakistan
- Head Environmental Sciences
1998 – 2005
Kinnaird College, Lahore, Pakistan
- Assistant Professor
Head Physics Department
1993 – 1995
Kinnaird College, Lahore, Pakistan
- Lecturer in Physics
Head Physics Department
1990 – 1993
Kinnaird College, Lahore, Pakistan
- Teaching Assistant (Physics)
Spring - 1986
Southern Illinois University, USA
- Lecturer in Physics
Head Physics Department
1979 – 1985
Kinnaird College, Lahore, Pakistan
- Teaching assistant (physics)
Spring - 1993
Southern Illinois University, USA.
- Teaching assistant (physics)
Spring - 1979
Indiana University, USA.
- Lecturer in Physics
1975 – 1977
Kinnaird College, Lahore, Pakistan
- Teacher
1974 - 1975
Convent of Jesus & Mary, Pakistan.

Administrative (Administrative Duties at Kinnaird College)

- Chair harassment committee 2016 – present
- Member board of governors
Academic council Kinnaird college 2015 – present
- Chair discipline committee 2015 – present
- Member board of studies the department of
Environmental sciences, university of Gujarat 2013 - present
- Kinnaird college member purchase committee 2013 - present
- Director quality enhancement cell 2011 - present
- Vice-principal 2008 - present
- Academic review committee 2006 - present
- Dean academic sciences 2003 – 2005
- Member ann marie schimmel scholarship committee 2000 - present
- Dean postgraduate programs 1998 - present
- Member board of governors 1998 – present
- Member board of governors 1998 – present
- Member finance committee Kinnaird College board of Governors 1998 - present
- Building committee Kinnaird College 1998 - present
- Head physics department 1979 - 2004
- Head environmental sciences 1998 - 2009
- Head computer science and business 1998 - 2007
- Faculty council member 1990 - 2004
- Student advisor 1990 - 2004
- Member admissions committee 1991 - 2004
- Staff advisor-environmental society 1990 - 2003

- Member/chair fee concession/scholarship committee 1996 - 2002
- Member academic committee 1991 - present
- Staff council 1991 - present

Research

- Southern illinois University, USA
1986 - 1989
Research Assistant
- Government college, Pakistan
1972 - 1973
Msc Research

1. DOCTORAL DISSERTATION

IN MY DOCTORAL RESEARCH WORK I DETERMINED THE SEQUENTIAL RESONANCE ASSIGNMENTS AND THE SECONDARY STRUCTURE OF A GASTROINTESTINAL PEPTIDE HORMONE, MOTILIN, USING HIGH RESOLUTION TWO - DIMENSIONAL NUCLEAR MAGNETIC RESONANCE (NMR) SPECTROSCOPY. I USED COSY, NOESY EXPERIMENTS AND THEIR MODIFICATIONS LIKE DQCOSY, RELAYEDCOSY. ASSIGNMENTS WERE MADE USING WUTHRICH'S PROCEDURES. ONCE THE SECONDARY STRUCTURE WAS OBTAINED RESTRAINED MOLECULAR DYNAMICS SIMULATIONS WERE APPLIED TO REFINE THE STRUCTURE OF THE MOLECULE. THE PROGRAM AMBER WAS USED FOR DYNAMIC SIMULATIONS.

N.KHAN "SOLUTION STRUCTURE OF MOTILIN USING HIGH RESOLUTION ¹H NUCLEAR MAGNETIC RESONANCE" PH. D THESIS (1989)

2. MASTER DISSERTATION

IN THIS RESEARCH WORK I STUDIED THE EFFECT OF TRANSVERSE MAGNETIC FIELD ON PLASMA IN A RADIOFREQUENCY ION SOURCE.

3. N. KHAN "THE EFFECT OF TRANSVERSE MAGNETIC FIELD ON PLASMA IN A RADIOFREQUENCY ION SOURCE" M Sc THESIS (1973).

Research (Theses) Advisor/Committee Chairperson (1998 – 2004)

1. DISPERSAL PATTERN OF AVIAN BIODIVERSITY IN ONE OF THE SOUTH EASTERN AND EASTERN SUBURBAN AREAS OF LAHORE AND STUDY OF THE BIOMASS INCREASE OF NESTLINGS OF THE HUMAN ASSOCIATED BIRD SPECIES
2. AIR AND NOISE POLLUTION FROM AUTOMOBILES IN LAHORE (A SCIENTIFIC ANALYSIS)

3. REVIEW OF VARIOUS ISSUES, ENVIRONMENTAL FACTORS AND OPINION OF LOCAL COMMUNITY RELATED TO KALABAGH DAM IN ORDER TO ASSESS THE FEASIBILITY OF THE PROJECT
4. HOSPITAL WASTE MANAGEMENT A PERSPECTIVE FROM UK AND LESSONS FOR PAKISTAN SOME SELECTED URBAN AVIAN BIODIVERSITY OF LAHORE WITH SPECIAL EMPHASIS ON SPECIES OF CONCERN and others

Supervision Of Numerous Researches

1. PESTICIDES IN FRUITS AND VEGETABLES: PROJECT OF TWO STUDENTS IN COLLABORATION WITH NIAB AND NIJBE, FAISALABAD
2. EFFECTS OF USING CELL PHONES ON THE STUDIES OF STUDENTS
3. ROLE OF MEDIA IN CREATING AWARENESS ABOUT POPULATION PLANNING
4. AWARENESS OF GLOBAL WARNING THROUGH PRINT MEDIA IN PAKISTAN
5. COMPARATIVE STUDY OF PRINT MEDIA'S PORTRAYAL OF ENVIRONMENTAL ISSUES AIR POLLUTION, OVERPOPULATION AND DEPLETION OF NATURAL RESOURCES IN PAKISTAN'S ENGLISH DAILIES "THE NEWS AND DAWN": JANUARY 2007 TO DECEMBER 2007
6. AMBIENT SCHOOL ENVIRONMENT IN RANDOMLY SELECTED SCHOOLS AND COLLEGES OF LAHORE (MASTERS STUDENT) ongoing
7. STUDY OF PRINT MEDIA'S SENSITIZING THE PUBLIC ON WATER ISSUES IN PAKISTAN
8. PROTOTYPE DESIGN FOR ROOFTOP GARDEN: MSc
9. EXAMINATION OF CHANGES IN AIR SHED QUALITY DUE TO POWER PLANT USING ISC-AERMOD AND ITS POTENTIAL IMPACTS ON SENSITIVE RECEPTORS IN A RURAL AREA: MPhil
10. SHALLOW WATER CONTAMINATION BY POLLUTED SURFACE WATER: A CASE STUDY OF LAHORE CITY AQUIFER: MSc
11. IDENTIFICATION OF VULNERABLE SECTORS OF IMPACTS OF CLIMATE CHANGE ON PAKISTAN: MSc
12. MSC ENVIRONMENTAL SCIENCES: EFFECTIVENESS OF ANIMATION MOVIES AS TOOLS FOR ENVIRONMENTAL EDUCATION: MSc
13. FEASIBILITY STUDY FOR THE CONSTRUCTION OF ROOF GARDENS IN LAHORE AND DESIGNING A ROOF GARDEN FOR A TEN MARLA HOUSE IN LAHORE: MSc

14. SAMPLING OF NICOTINE IN DIFFERENT INDOOR WORK PLACES AND DEVELOPMENT OF ADSORBENT IN CIGARETTE TO CONTROL NICOTINE IN MAINSTREAM SMOKE BY USING WOOD CHARCOAL
15. THE STUDY OF PARTICULATE MATTER CONCENTRATION IN SCHOOLS OF LAHORE
16. COMPARATIVE ANALYSIS OF DRINKING WATER PURIFICATION TECHNIQUES OF CO₂ EMISSIONS. CASE STUDY OF NORTHERN, LAHORE
17. COMPARATIVE ANALYSIS OF ENVIRONMENTAL, ECONOMIC AND SOCIAL ASPECTS OF ALTERNATIVE WATER PURIFICATION TECHNIQUES: A CASE STUDY OF MANDI BHAUD DIN AND MASS COMMUNICATION AND PHYSICS RESEARCH REPORTS and others
18. Supervising two MPhil/MS theses 2019

Awards, Scholarship, Grants and Memberships

- | | | |
|--|----------------|------------------------------|
| • Member board of advanced Studies and research committee | 2016 | Kinnaird college for women |
| • Gold medal for education | 2012 | Farog – e -Taleem |
| • Member editorial board affairs | 2011 | Pakistan journal of urban |
| • Award for excellence | 2009 | Environment and education |
| • Grant for training teachers | 2009 | EPD Punjab |
| • Grant for training teachers | 2008 | EPD Punjab |
| • Member technical committee on Indigenous technologies | 2007 | EPD Punjab |
| • HEC aproved P.HD supervisor | 2005 | Higher Education Commission |
| • Member project Scientific steering committee | 2004 | World Wide Fund nature (wwf) |
| • Member board of governors | 2003 - present | Kinnaird college for women |
| • Member board of studies (physics, environmental sciences, Bcs, accounting and finance) | 2003 | Kinnaird college for women |

- Convener, district technical Committee on environment 2002 Government of the Punjab
- Member editorial board 2001 The environment monitor
- Member 2000- present Annemarie Schimmel scholarship committee
- Member, steering advisory Committee on environment 1999 government of Punjab
- Empowerment of women 1999 Women issues visit usa
- British council visitor 1993 Environmental sciences departments in UK universities
- Group leader to South Korea, Japan And Philippines universities 1991 Youth leadership development program
- Outstanding dissertation award 1990 runner up graduate school. southern illinois university at carbondale
- Assistantship 1986 – 1989 Southern illinois university, usa
- Member Honour society of phi kappa phi
- Cots scholarship 1977 - 1979 Federal government of Pakistan
- Roll of honor 1973 Government College, Lahore.
- Scholarship 1970 - 1973 Graduate
- Scholarship 1966 - 1970 Under graduate
- Life member Pakistan society for the rehabilitation of the disabled.an affiliate Of rehabilitation international, New York, USA

Conference / Workshop Attended

- International conference on social sciences and humanities 2019
- International conference on science, technology and innovation 2019
- 2nd international conference on Pakistani Anglophone literature 2018

- International conference on social sciences and humanities 2018
- International conference on literature, culture and globalization 2018
- Workshop on strengthen heis daily operations – ISO 21001 eoms way March 24 – 25, 2018 2018
- Qs conference women’s higher education for leadership and Social innovation February 13 – 15, 2017 Jaipur, India 2017
- 1st international conference on pakistani writing in english 2016
- ICLAP October 7 – 9, 2015 2015
- U.s. Embassy-funded university partnerships workshop 12-15 Nov. Denton Texas, USA 2014
- Global education dialogues, Sri Lanka 2013
- Workshop on role of assessment team in the self-assessment process 2012
- Workshop on capacity building in geospatial information and Environmental data 2011
- Environmental sciences teachers education for sustainable Development workshop 2011
- Environmental sciences teachers education for sustainable Development workshop 2010
- Sustainable and cleaner production in the manufacturing Industries of Pakistan 2010
- Symposium on impact of globalization on women in higher education, USA 2006
- Conference intercultural communication 2004
- Conference environmentally sustainable development 2004
- Conference materials durability and environmental degradation 2003
- International conference on issues in education 2003
- Empowerment of women 2001

- Women in government, Spring field, illinois, USA 1999
- Role of media, Lahore, Pakistan 1998
- Population workshop, Lahore, Pakistan 1996
- Adult and continuing education, Lahore, Pakistan. 1990
- International conference, Cincinnati, USA 1988
- International nmr conference, Michigan, USA. 1988
- Thermodynamics workshop, illinois, USA. 1987
- Inservice teachers training, Lahore - Pakistan. 1976

Presentation / Papers / Lectures Presented At International / National Conference / Workshop / Symposia

- Speech international conference on social sciences and humanities 2019
- Speech international conference on science, technology and innovation 2019
- Speech international conference on social sciences and humanities 2018
- Speech international conference on literature, culture and globalization 2018
- U.s. Embassy-funded university partnerships workshop 12-15 nov. Denton texas, usa 2014
- Ghazala yaqub, zubi sadq, almas hamid, nikhat khan, first report on Synthesis of carbazole-efflux pump inhibitor based dual action hybrids, 5th international chemistry conference 26-29/4/2014 2014
- Nikhat khan, ghazala yaqub, saira iqbal, synthesis, Biological evaluation and cytotoxic studies of novel phenylhydrazine 2014
- And 2, 4 dinitrophenylhydrazine substituted heterocyclic compounds, 5th international chemistry conference, 26-29/4/2014
- 2nd international symposium issues in higher education in Pakistan Undergraduate degree: the weakest link 2006
- Impact of globalization on women in higher education Anaheim, USA 2006
- Environmental degradation lecture, staff college, Lahore 2004

- Air and water pollution lecture, staff college, Lahore 2004
- Materials durability and environmental impact
Conference, Kinnaird College for women, Lahore, Pakistan 2003
- Education for sustainable development international
Conference on issues in education Lahore, Pakistan 2003
- Earth day, district government and
Kinnaird college program, Lahore, Pakistan 2003
- Clean air, EPD, Lahore, Pakistan 2001
- Status of women of Pakistan
Association of American university women, Carbondale, il. USA 1999
- Women and politics international forum, siu-c, il. USA 1999
- Radiation physics 1996
In service training workshop for college teachers,
Directorate of curriculum development
Lahore, Pakistan.
- Environmental problems 1996
In service training workshop for college teachers,
Directorate of curriculum development
Lahore, Pakistan.
- Radiation physics 1995
In service training workshop for college teachers,
Directorate of curriculum development
Lahore, Pakistan.
- Creating, ymca national workshop, Lahore, Pakistan. 1992
- Triennial conference women and environment in an age of
Technology, Kobe, Japan 1991
- Biological society conference 33rd annual meeting, Cincinnati, Ohio, USA 1989
- New directions in protien folding, structure and design, st. Louis, mo, USA 1989
- Acuca science workshop, payap college and chiang mai university,
Thailand. 1982
- Promotion of science workshop, 1980

Lahore, Pakistan.

Presently Teaching The Following Courses

- Fundamental food and nutraceutical MPhil, BCS
- Electricity and magnetism BS(Honours)
- Mechanics BS (Honours)
- Basic electronics BS (Honours)

Articles Published

1. N. KHAN, POLLUTION 1992
PWI NEWS LETTER
2. N. KHAN, ARTICLE ON WOMEN IN URDU, 1991 - 1992
THE LAST WORD,
3. N. KHAN, “ IMPORTANT ROLE OF 1985
ANTIBIOTICS IN OUR LIVES TODAY”
THE PAKISTAN TIMES
4. N. KHAN, “THE ELUSIVE QUARKS” 1984
THE PAKISTAN TIMES

Publications

1. ALMAS HAMID, ALIZAE SALAAM, NIKHAT KHAN. RESPIRATORY AND OTHER HEALTH RISKS AMONG POULTRY FARM WORKERS AND EVALUATION OF MANAGEMENT PRACTICES AT POULTRY FARMS. *Revista Brasileira de Ciência Avícola*. 2018; 20(1):111-8.
2. FIRDOUS, S; ASHFAQ, A; KHAN, SJ; KHAN, N, AFLATOXINS IN CORN AND RICE SOLD IN LAHORE, PAKISTAN, FOOD ADDITIVES & CONTAMINANTS PART B- SURVEILLANCE, 2014.
3. ALMAS HAMID, ZUBI SADIQ, GHAZALA YAQUB, NIKHAT KHAN, SAIRA IQBAL, KASHAF IQBAL, ZAINAB HAFEEZ, ANUM BAJWA, SYNTHESIS AND BIOASSAY OF NOVEL PHENYLHYDRAZINE AND 2, 4-DINITROPHENYLHYDRAZINE SUBSTITUTED CARBAZOLES. *Asian Journal of Chemistry*. 2013 Jul 1;25(10):5412.

4. SHAMMA FIRDOUS , NUSRAT EJAZ , TEHSEEN AMAN & NIKHAT KHAN, OCCURRENCE OF AFLATOXINS IN EXPORT-QUALITY PAKISTANI RICE, FOOD ADDITIVES & CONTAMINANTS: *Part B, Vol. 5, No. 2, 121–125, 2012.*
5. YOUSAF, ANILA ROSE; KHAN, NIKHAT. *The Study of Particulate Matter Concentration in Schools of Lahore, Nature Environment and Pollution Technology, 12.2, 289-296, 2013.*
6. RABIA ARSHAD, ALMAS HAMID, ASRAR AHMAD KAZI, NIKHAT KHAN, *Determination of manganese and chromium in welders and non-welders population in Lahore, Pakistan, bulletin of environmental studies, 2016, 1, 3,75-81.*
7. NIKHAT KHAN, MAHAM ALI, GHAZALA YAQUB AND ZUBI SADIQ, DETERMINATION AND COMPARATIVE ANALYSIS OF PERSISTANT ORGANIC COMPOUNDS IN DIFFERENT ENVIRONMENTAL MATRICES VIA HPLC PERFORMANCE LIQUID CHROMATOGRAPHY, *Asian Journal of Chemistry, 27, 12 (2016).*
8. ALMAS HAMID¹, ASRAR AHMAD KAZI¹, NIKHAT KHAN¹. “Respiratory and other health Risks among Poultry Farm Workers and Evaluation of Management Practices in Poultry Farms” *Brazilian Journal of Poultry Science; ISSN 1516-635X Jan – Mar 2018 / v.20 / n.1 / 111-118 (2017)*
9. NIKHAT KHAN ET AL, BIOMONITORING OF WORKERS EXPOSED TO VOCS ASSOCIATED WITH DIFFERENT OCCUPATIONS BY HEADSPACE GC/FID, *INTERNATIONAL JOURNAL OF ANALYTICAL CHEMISTRY, 2016 (UNDER REVIEW)*
10. NIKHAT KHAN ET AL, ASSESSMENT OF HEALTH RISK ASSOCIATED WITH PRESENCE OF PESTICIDE RESIDUES IN FRUITS, VEGETABLES, SOIL AND WATER", *FOOD SCIENCE AND TECHNOLOGY, 2016 (UNDER REVIEW)*
11. MAHAM ALI, GHAZALA YAQUB, NIKHAT KHAN. 'DETERMINATION AND COMPARATIVE ANALYSIS OF PERSISTENT ORGANIC COMPOUNDS IN DIFFERENT ENVIRONMENTAL MATRICES VIA HIGH PERFORMANCE LIQUID CHROMATOGRAPHY', *Asian Journal of Chemistry; Vol.27 No. 12(2016)*
12. BAZGHA SHAFIQ, MASOOMA RIAZ, NIKHAT KHAN, “ INCIDENCE OF GYNAECOLOGICAL TUMORS: FIVE YEARS DATA OF A LOCAL CANCER HOSPITAL’, *Asian Specific Journal of Cancer Prevention.*

13. ANILA YOUSAF AND NIKHAT KHAN, "THE STUDY OF PARTICULATE MATTER CONCENTRATION IN SCHOOLS OF LAHORE, *NATURE, ENVIRONMENT AND POLLUTION TECHNOLOGY, INDIA*" Reference: Volume 12, Issue No 2, Jun 2013, Pages 289-296
14. AFAF AYESHA AND NIKHAT KHAN, IMPACT OF CONTAMINATED SURFACE WATER AND SHALLOW GROUNDWATER QUALITY ALONG RIVER RAVI AROUND LAHORE CITY, *JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN* (Submitted)
15. ALMAS HAMID¹, ZUBI SADIQA², GHAZALA YAQUB¹, NIKHAT KHAN¹, SAIRA IQBAL¹, KASHAF IQBAL¹, ZAINAB HAFEEZ¹ AND ANUM BAJWA¹. "SYNTHESIS AND BIOASSAY OF NOVEL PHENYLHYDRAZINE AND 2,4-DINITROPHENYLHYDRAZINE SUBSTITUTED CARBAZOLES" *Asian Journal of Chemistry*; Vol. 25, No. 10 (2013), 5412-5414
16. SHAMMA FIRDOUS, NUSRAT EJAZ, TEHSEEN AMAN AND NIKHAT KHAN "OCCURRENCE OF AFLATOXINS IN EXPORT-QUALITY PAKISTANI RICE" Pages 121-125 *Food Additives and Contaminants: Part B: Surveillance*. Volume 5, Issue 2, 2012
17. GHAZALA YAQUB, ZUBI SADIQ, ALMAS HAMID, NIKHAT KHAN, SAIRA IQBAL, KASHAF IQBAL, ZAINAB HAFEEZ, ANUM. "FIRST REPORT ON SYNTHESIS OF CARBAZOLE-EFFLUX PUMP INHIBITOR BASED DUAL ACTION HYBRIDS" *Molecules*, 2012
18. TEHSEEN AMAN, ASRAR AHMAD QAZI, ALMAS HAMID, DURR-E-SHAHWAR , NIKHAT KHAN, DETERMINATION OF TWO ANALGESICS (ACETYL SALICYLIC ACID AND ACETAMINOPHEN BY A SINGLE CHROMOGENIC REAGENT, *International Journal of Pharmaceutical Sciences, Review and Research*, 12: 1, 2012.
19. SHAMS S. B, BUTT, N. AND KHAN, N. A STUDY OF OCCUPATIONAL HEALTH AND SAFETY PRACTICES AND ITS HEALTH IMPACTS ON WORKERS IN SOME PRACTICE OF HEALTH & SAFETY MEASURES IN TANNERIES OF SIALKOT 5TH NATIONAL SEMINAR ON OCCUPATIONAL HEALTH AND SAFETY 8 – 9 DECEMBER 2007 IN KARACHI, 2007
20. NIKHAT KHAN, TEXTBOOK 'PHYSICS FOR CLASS XII', OXFORD UNIVERSITY PRESS, 2007 NIKHAT KHAN, TEXTBOOK 'PHYSICS FOR CLASS XI', OXFORD UNIVERSITY PRESS, 2004
21. N. KHAN, " PLASTICS and DEGRADABILITY", MATERIALS DURABILITY AND ENVIRONMENTAL IMPACT, SCIENCE CONFERENCE PROCEEDINGS, 2003
22. N. KHAN, "ENVIRONMENTAL DEGRATION DUE TO POPULATION AND TOXIC CHEMICALS,1993 "ASIAN WOMEN, pgs 103, 1993.
23. N. KHAN, "WOMEN AND THE SOCIO ECONOMIC, CULTURAL ENVIRONMENT IN TODAY'S WORLD" IN WOMEN AND ENVIRONMENT IN OUR AGE OF TECHNOLOGY, ASIAN WOMEN'S INSTITUTE CONFERENCE, KOBE, JAPAN, 1992.

24. S. EDMONDSON, J. ZDUNEK, N. KHAN, J. SHRIVER, AND A. GRASLUND, “ THE SOLUTION STRUCTURE OF MOTILIN FROM NMR DISTANCE CONSTRAINTS, DISTANCE GEOMETRY, MOLECULAR DYNAMICS AND AN ITERATIVE FULL RELAXATION MATRIX REFINEMENT “ *Biochemistry*, Vol 30, No 47, pgs 111271 – 11279,, 1991.
25. N. KHAN, A. GRASLUND, EHRENBERG AND J. SHRIVER, “ SEQUENCE SPECIFIC IH NMR ASSIGNMENTS AND SECONDARY STRUCTURE OF PORCINE MOTILIN,” *Biochemistry*, Vol. 29, No 24, pgs 5743 – 5751, 1990.
26. K. PALCZZEWSHI, N. KHAN, AND P. A . HARGRAVE, “ SPECIFICITY OF ATP BINDING SITE OF RHODOPSIN KINASE” *BIOCHEMISTRY*, Vol. 29, No 26, pgs 6276 – 6282, 1990.
27. NIKHAT KHAN ET AL., SOLUTION STRUCTURE OF MOTILIN, *Biophysical Journal*, PROC. CONFERENCE, CINCINATTI, OHIO, VOL. 55, pgs 529, 1989.
28. N. KHAN, “ SCIENCE CURRICULUM FOR NON - SCIENCE MAJORS IN PAKISTAN”, SHORT COURSE IN TEACHING OF SCIENCE TO NON - SCIENCE MAJORS, *ACUCA*, pgs 69 – 72, EDITORS R . P . BATSINGER AND R . D . RENARD, 1982.
29. N. KHAN, “ PROMOTION OF SCIENCE WORKSHOP, ” WORKSHOP PUBLICATION SCIENCE SEMINAR, CATHEDRAL SCHOOL, LAHORE, 1980

REFERENCE

1. Prof rukhsana david principal kinnaird college for women, lahore tel: 042-99203781-4
2. Prof. Dr mrs mira phailbus, ex principal, kinnaird college for women, lahore. Tel: 001 408 628 8354