

April 30, 2017

CURRICULUM VITAE

Name: **Mujahid Kamran**

Previous Position: **Vice Chancellor, Punjab University**
Lahore, Pakistan (Jan 3, 2008 – December 18, 2016)

Date and place of birth: 23.1.1951 - Gujrat, Pakistan

Father's name: **Syed Shabbir Hussain¹**

Nationality: Pakistani

Email: kamran_m51@yahoo.com

Languages: Urdu, English, Punjabi

REFERENCES:

1. **Professor T. Bolton**, Physics Department, Kansas State University, Manhattan, Kansas email: bolton@phys.ksu.edu
2. **Prof. Larry Weaver**, Physics Department, Kansas State University, Manhattan, Kansas email: weaver@phys.ksu.edu

PUBLICATIONS:

Sixty three (**63**) **research** publications in refereed journals **outside** Pakistan / presented at conferences **abroad** (list appended; 48 in **foreign** journals, 2 in local journals, 13 Conference presentations / contribution in International Conferences **abroad**)

Ninety three (**93**) articles, mostly on aspects of science and higher education, as well as on global politics, published in national and international magazines and newspapers (list appended)

Fourteen (**14**) **books** including two text books (4 of the 14 are in Urdu language; 5 of these books deal with the lives and works of great physicists of the twentieth century):

- 1) **M. Kamran: Albert Einstein: Life and Work:** University of the Punjab Press, 2017, 720 pages, ISBN 978-969-9325-35-9
- 2) **M. Kamran: The International Bankers, World War I, II and Beyond:** University of the Punjab Press, 2015; 560 pages, ISBN 978-969-9325-24-3 (*Dr. Kevin Barrett has referred to it as a "superb and timely contribution"*)

¹ Deceased (July 5, 2003). Former Bureau Chief and Political Correspondent of daily *The Pakistan Times*, Islamabad.

- 3) **M. Kamran: Relativistic Quantum Mechanics An Easy Introduction:** University of the Punjab Press, 2014; 288 pages, ISBN 978-969-9325-20-5 pages (for final year undergraduate and first year graduate students of US universities and M.Sc. and M.Phil students of Pakistani universities)
- 4) **M. Kamran: Saniha e September aur Nia Aalmi Nizam (Urdu translation of 9/11 & the New World Order by Mohsin Peerzada):** University of the Punjab Press, 2014; 452 pages, ISBN 978-969-9325-17-5
- 5) **M. Kamran: 9/11 & the New World Order (English):** University of the Punjab Press, 2013; 396 pages, ISBN 978-969-9325-13-7 (*Dr. James Hufferd has referred to it as the "best summary of 9/11 and the NWO I have come across to date"*)
- 6) **M. Kamran: The Inspiring Life of Abdus Salam** (A biography of Abdus Salam Pakistan's only Nobel Laureate): University of the Punjab Press, 2013; 356 pages ISBN 978-969-9325-11-3
- 7) **M.Kamran: The Grand Deception - Corporate America and Perpetual War:** Sang e Meel Publications, 2010, 429 pages ISBN-10: 969-35-2406-3, ISBN-13: 978-969-35-2406-2
- 8) **M. Kamran: Einstein and Germany:** Sang e Meel Publications April 2009, 222 pages ISBN-10: 969-35-2234-6, ISBN-13: 969-35-2234-1
- 9) **M.Kamran: Pase e Parda- aalmi siyasat key makhfi haqaiq,** (Behind the Curtain - Hidden Facts of Global Politics) Sang e Meel Publications Nov **2008**, 190 pages ISBN-10 969-35-2174-9
- 10) **M. Kamran: "Relativistic Quantum Mechanics – A Quick Introduction"** ISBN 969-35-1783-0 Sang e Meel Publications Nov **2005**, 119 pages (for final year undergraduate and first year graduate students of US universities and M.Sc. and M.Phil students of Pakistani universities)
- 11) **M. Kamran: Editor: "Dr. A.Q. Khan on Science, Education and Technology"** January **2004**, 500 pages
- 12) **"Jadeed Tabiyat kay Bani"** (i.e. Founders of Modern Physics) - 313 pages, Sang e Meel Publications, Lahore, **1997**; publishers - *Sang e Meel Publications*; winner National Book Foundation Award,
- 13) **S. Shabbir Hussain and M. Kamran: (Editors) "Dr. A.Q. Khan on Science and Education"** (269 pages -**1997** - publishers - Sang e Meel Publications, Lahore)
- 14) **M.Kamran: "Jadeed Tabiyat kay Mashaheer"** - 203 pages; published by *Punjab University 1988*

BOOKS CURRENTLY BEING WRITTEN:

1. **M. Kamran, M. Shamim and M. Ahsan : Quantum Mechanics:** (20 out of 21 chapters already completed in final form – current length: 842 pages; – some diagrams need to be done)
2. **M. Kamran: Introductory Quantum Field Theory for Pedestrians:** (175 pages already completed)
3. **M. Kamran: Variety of Physicists** (250 pages completed, ongoing work; chapters on Rutherford, Einstein, Dirac, Kaptiza, Landau, Salam, completed;

planned chapters on Bohr, Schrodinger, Heisenberg, Fermi, Born, Pauli, Sakharov, Yukawa, Feynman and Chandrasekhar)

4. **M.Kamran: Operation Gladio: Global Subversion:** 126 pages written so far
5. **M. Kamran: The JFK Assassination: What Forces Killed Him and Why:** 217 pages written so far

DISTINCTIONS AND HONOURS

Sitara-e-Imtiaz Awarded by the President of Pakistan in the field of Education

(March 23, 2015)

President's Pride of Performance Award for contribution to physics research, teaching, and popularization of science

(March 23, 1999)

Abdus Salam Prize for "contributions to hadronic scattering while working in Pakistan" **1985-** (reward primarily in recognition of Phys. Rep. 108C (1984) 125; the Abdus Salam prize was initiated by Prof. Salam from a part of his Nobel prize money and consists of a cash prize of \$1000 and a certificate)

National Book Council Award (first prize) for published work in the subject of Physics in one year - **1986** (cash award of Rs25000/- approximately 1000 US\$ at the then exchange rates and a certificate)

National Book Foundation Award on the book "Jadeed Tabiat kay Bani" – award announced in **2000** (cash prize + certificate)

Fulbright Fellow and visiting Associate Professor, University of Georgia, Athens, Georgia, USA - **1988-89**

Appointed **Senior Associate** of **ICTP** (International Centre for Theoretical Physics) Trieste, Italy for a 6 year period beginning January 1, 1991; former **Associate** of ICTP (1985-1990) and **Junior Associate** 1984

Bolan Award for contributions towards science and popular science (1992) (the awards are instituted by the Bolan Society which normally presents these in the field of social work and theatrical arts (particularly cinema), but occasionally people from other walks of life also receive these awards)

Elected **Active Member** of the **New York Academy of Sciences** in recognition of "work in, and support for, science and technology" (1994)

Awarded **Advance increments** in salary for research output by the Punjab University on the recommendations of British and American experts

Won **Merit Scholarships** as a student **1965-67, 1967-69, 1969-71**

PROFESSIONAL EXPERIENCE

<u>Designation / post held</u>	<u>Period for which position held</u>
(All positions except one held in the University of the Punjab, Lahore, Pakistan)	
<i>Vice Chancellor, Punjab University</i>	January 3, 2008 - Dec 19, 2016
<i>Dean Faculty of Science, Punjab University</i>	June 7, 2004 – June 6, 2007
<i>Professor of Physics (KSU, SA)</i>	August 23, 2001 – June 5, 2004
<i>Chairman Department of Physics</i>	May 1995 to July 2001 and Jan 2, 2007 to Jan 2, 2008
<i>Professor of Physics</i>	Oct. 1988 to January 2011
<i>Associate Professor in High Energy Physics</i>	Oct. 1987 – Oct 1988
<i>Assistant Professor in High Energy Physics</i>	Feb. 1982 - Oct 1987
<i>Lecturer in Physics</i>	Oct. 1972 - Feb. 1982

Teaching /taught post-graduate (**M.Sc. and M.Phil**) and undergraduate (B.Sc. Hons) classes at **Punjab University (PU)**. Taught **Ph.D., M.S. and B.S.** courses at **King Saud University (KSU)**, Riyadh, Saudi Arabia. KSU has an American system with a B.S. awarded after 16 years, and M.S. after 18 years of education. Courses taught by me at Ph.D and M.S. level at **KSU** were : - *Physics of Elementary Particles, Quantum Field Theory I and II, Gauge Theories, Mathematical Physics, Quantum Mechanics II*; courses taught at the B.Sc final year level: *Quantum Mechanics*.

Courses taught at M.Sc. and M.Phil level at **PU**: *The Standard Model (M.Phil) Quantum Mechanics, Classical Mechanics, Mathematical Methods of Physics to M.Sc. (1st year), and Theoretical Particle Physics (I and II) to M.Sc (2nd year)*.

Ph.D students

1. Successfully co-supervised the Ph.D. thesis of Dr. M. Ali on “Hypercharge Exchange Reactions” (supervisor Prof. Dr. M. Saleem) **1986**.
2. Successfully supervised the Ph.D. thesis of Muneer Ahmad “Aspects of Hadronic Structure in the Final State Hadron production in Deeply Inelastic Scattering” (co-supervisor Prof. G. Kramer of Hamburg University) **2004**.
3. Successfully supervised the Ph.D. thesis of Mr. Faisal Akram “Hadronic Cross Section of B Mesons” **2013**.
4. Successfully co-supervised the Ph.D. thesis of M. Qasim: “First Principle Study of Transition Metal TM Doped II-VI Ferromagnetic Semiconductors” **2016**

CONTRIBUTIONS AS VICE CHANCELLOR PUNJAB UNIVERSITY

As Vice Chancellor Punjab University my focus was on Faculty Development, increase in quality and quantity of research output, streamlining and expansion of PhD program, increase in the percentage of graduate students in the overall student body, enhanced allocation for research, conference participation inside and outside the country and holding of national and international conferences. Particular attention to languages, social sciences and the arts was paid, enhancing their role in the university as well as at the national and international level. I also focused on depoliticisation of the student body where a fundamentalist group held sway. I was the only VC to have succeeded in cutting that group to size.

As a result of my efforts PU was second overall in HEC rankings in 2016 in the country. It was among the top 25 in South Asia in the Webometrics ranking and came in the top 9% worldwide in the Webometrics rankings. It was among 200-250 in Asia in 2014, 2015 in QS rankings but data could not be submitted for 2105 so that in 2016 it was not ranked.

I managed to transform the culture of PU from an undergraduate culture to that of a research culture with a large body of graduate students.

Expansion and consolidation of existing departments was carried out and projects left pending by the previous administration were completed. New projects worth 1.82 billion Rs. Were secured from the Government of Pakistan. The first project for Rs. 848 million was for the period 2014-2017 and was completed by December 2016 well ahead of time. The second project of 980 million Rs. was for the period 2016-2020.

Some numbers are quoted below:

1. The number of Ph.D. faculty members was raised from 210 to 560 during my tenure
2. The number of publications in impact factor journals was 162 in 2007 (I assumed charge in Jan 2008). It had risen to 745 in 2015.
3. Overall publications also increased very significantly during my tenure in non-impact factor but HEC recognized journals as well as in conference proceedings. The total number of research publications in 2015 was 1378. Data for years before I took charge was not available. However, during my tenure there was a steady increase in the number of research publications every year.
4. The average PhD production from 1991-2007 was around 41 (734 PhDs in 18 years). During my tenure the average Ph.D production (2008 – 2015) was 145

5. In 2007 the graduate students (i.e. M.Phil/MS and Ph.D scholars) was 300 out of a total student population of 29000 i.e. 1% of the student body. In 2016 it was around 6400 out of 42,800 students i.e. 15% of the student body
6. The research funding from own sources of the university was raised from a meagre 2 million Rs. (2007-2008 budget) to 110 million Rs. (2016-2017 budget)
7. In the 2007-2008 budget the allocation for conferences (i.e. holding conferences and participating in conferences) was 7.5 million Rs. In 2016-2017 budget it was 65 million Rs.

CONTRIBUTION TO HUMAN RESOURCE DEVELOPEMNT IN PHYSICS AS HoD

After becoming Chairman Physics Department in May 1995 I *initiated a program of grooming talented students (through extra lectures and coaching) so that they could compete and win foreign scholarships. Owing to my efforts PU Physics students have won about 40 fellowships since 1999. This program was initiated well before GOP/HEC launched its current manpower training programs. Not a single penny of the GOP/HEC has been spent in this regard as these scholarships are funded by Western institutions. I was able to transform the culture of PU Physics Department during my tenure. I never allowed political student groups, including the most powerful one, to operate in my Department. Good students, and not the stereotyped politically motivated "student leaders", became role models in the Physics Department during my tenure. Prof. T. Bolton of Kansas State University referred to me as "a gold mine of graduate students"*.

1. **Muneer Ahmad** DAAD Germany 1996-2000 **PhD completed successfully**
2. **M. Arif** DAAD Germany 1998- 3 months
3. **Mansoor Shamim** (Abdus Salam ICTP, Italy 1999 -2000, 1 year Diploma, **completed successfully**)
4. **Shahida Dar** (Abdus Salam ICTP, Italy, 1999-2000 - 1 year Diploma, **completed successfully**)
5. **Amna Saman Saeed** (ICTP, Italy 1999 -2000) **not availed**
6. **Jameela Bashir Butt** ICTP, Italy 2000 -2001 1 year Diploma **completed**
7. **Aneeqa Bashir** (ICTP, Italy 2000-2001) **not availed**
8. **Samya Bano Zain** SUNY Albany, USA 2000 – **completed Ph D May 2006**

9. **Shahida Dar** successfully completed PhD in 2008 from Delaware University)
10. **Mansoor Shamim** successfully completed PhD from Kansas State University, May 2008
11. **Fakhar Inam** (Abdus Salam ICTP, Italy, 2001-2002 1 year Diploma Scholarship, successfully completed)
12. **Sobia Shafiq** (Cambridge UK 2001 - 3 year PhD scholarship)
13. **Jameela Bashir Butt** Univ of Syracuse, USA, 2001- (Ph D completed May 2006)
14. **S. Hussain Ali** (Thailand 2001- Masters in Remote sensing) **not availed**
15. **Azam Saeed** (UK 2001, Wales Masters in Material Sciences, successfully completed; currently teaching at a UK university)
16. **Mahsana Ahsan** (successfully completed PhD from Kansas State University, May 2007)
17. **Babar Ahmed Qureshi** (Ph D completed 2007, University of Syracuse)
18. **Shabana Nisar** Ph D completed 2007, University of Syracuse
19. **Nasira Sultana** Abdus Salam ICTP, Italy, 2002-2003, 1 year Diploma Scholarship, successfully completed
20. **Adil Mehmood** Pfaffenwaldring, Stuttgart University, Germany (Ph D scholarship 2004, completed successfully)
21. **Yasmeen Kausar** University of Aveiro Portugal, **PhD** (currently writing thesis)
22. **Iram Munawar** (2 offers) University of Newfoundland, Canada (**PhD**), University of Aviero, Portugal (**PhD**) (currently at University of Newfoundland, Canada (PhD), Fall 2002)
23. **Hina Malik** University of Aviero, Portugal (PhD) Fall 2002
24. **Muhamamd Nadeem** University of Wales, UK competed Masters, currently working in UK
25. **Salman Qureshi**, Univ of Stuttgart, Germany
26. **Mudassar Iqbal** Abdus Salam ICTP 2002-2004, 2 year M.Sc. in Computer Simulation and Modeling; successfully completed
27. **Sobia Shafiq** Delaware Univ, USA 2003 - 6 year PhD scholarship
28. **Neelam Khan** 2 offers, Kansas State University, Delaware Univ, USA 2003 - 6 year PhD scholarship, completed successfully from KSU
29. **Nasira Sultana** Syracuse University, USA – 6 year Ph.D. scholarship 2003
30. **Fatima Anis** Kansas State University USA, 2003, 6 year **PhD scholarship** (currently at KSU)

31. **Teeba Rashid** Kansas State University USA, 2003, 6 year **PhD scholarship (not availed)**;
32. **Hafsa Khurshid** Delaware Univ, USA 2003 - 6 year **PhD scholarship**, currently at Delaware
33. **Fakhar Inam**, University of Ohio, 6 year **PhD scholarship** (Fall 2003 onwards), currently at Ohio University
34. **Fauzia Jabeen**, Abdus Salam ICTP, Italy, 2003-2004, 1 year Diploma Scholarship, **successfully completed**
35. **Amna Saman Saeed** (Kansas Sate University, beginning Fall 2004, **6 year PhD scholarship**- passport with US embassy since April 2004, on her request her passport was returned in 2006; scholarship **unavailed**)
36. **M. Shahbaz** (Kansas Sate University, beginning Fall 2004, **6 year Ph D scholarship** - passport with US embassy since April 2004 and returned with a direction for a new I 20in 2006; scholarship could **not be availed**)
37. **Nosheen Iqbal** (Kansas Sate University, beginning Fall 2004, 6 year **PhD scholarship** – visa refused – hence could not be availed)
38. **Fauzia Jabeen PhD scholarship** University of Trieste, Italy starting 2004, completed successfully
39. **Ramoona Shehzadi** Bonn University, Germany, Sep 2005 onwards **PhD scholarship, completed successfully**
40. **M . Shafeeq** University of Ottawa, Canada 2007-onwards PhD scholarship, completed successfully
41. **Muhammad Imran** ITC, Enschede Netherlands September 2007-onwards **PhD scholarship**, completed successfully
42. **Tayyaba Zafar** (Neils Bohr Institute, University of Copenhagen, Denmark January 12 2008-onwards **PhD scholarship** , completed successfully
43. **Saima Farooq** (Kansas State University, summer 2008 onwards, 6 year **PhD scholarship**)
44. **Yusra Yousaf** Manchester University, 2009 onwards, 3 year **PhD scholarship**)

INSTITUTIONS ATTENDED:

Edinburgh University, Scotland (1975-79) as a **Ph.D** student; Topic of thesis “The Dual Absorptive Model and Elastic Hadronic Scattering at High Energies and Small Momentum Transfers”; Supervisor: Dr. L.L.J. Vick

Punjab University, Lahore, Pakistan (1969-71) as an **M.Sc** student with special courses in *Theoretical Particle Physics*

Gordon College, Rawalpindi, merit scholarships in **F.Sc** (1967) and **B.Sc** degree (1969) with courses in Mathematics and Physics winning a merit scholarship

C.B. Sir Syed School, Rawalpindi, Pakistan (1955-65) standing first in the school in the matric (i.e. 10th class) examinations winning a merit scholarship

PARTICIPATION IN INTERNATIONAL CONFERENCES / WORKSHOPS etc:

(numbering in reverse order to facilitate recent additions at the top)

38. Participant Conference on “The Future of Intra-societal Conflict and Violence Research” at University of Bielefeld, **Germany** from November 19-21, 2012

37. Participant Cultural cum Study tour of **Turkey** from October 2 to October 8, 2012.

36. Participant Regional Conference “Governance and Financing of Higher Education” held at Phuket, **Thailand** from October 18-20, 2010.

35. Participant Fifth International MIT LINC 2010 Conference, held at Cambridge, Massachusetts, **USA** from May 23-26, 2010

34. Participant workshop “Professional Development Training” organized by Leadership Foundation for Higher Education UK, held at Manchester, **UK** from 07-17 December, 2009.

33. Participant workshop “Achieving Excellence in Higher Education” held at Ifrane, **Morocco**, from 02-04 November, 2009.

32. Participant workshop “Pathway to Peace Project” Led by Quest for Economic Development (QED), held at Manchester **UK** from 22-28 June, 2009.

31. Participant “Higher Education Summit for Global Development” held at Washington D.C., **USA** from 29-30 April, 2008.

30. Participant XXXth Nathiagali International Summer College (organized by the PAEC) 27 June – 2 July, 2005

29. Visiting Scientist Kansas State University, **USA**, Summer 2002, 2003

28. Participant Symposium on Frontiers in Physics held at Government College, Lahore by the Pakistan Physical Society from Dec 20-22, 2000.
27. Participant 2nd Workshop on Particle Physics organized by the National Center for Physics in collaboration with CERN at the Quaid e Azam University, Islamabad from 13-18 November 2000.
26. Participant 25th Nathia Gali International Summer College on Physics And Contemporary Needs held at PC Bhurban (May 24-31, 2000). These Colleges are organized by the PAEC.
25. Participant 1st Workshop on Particle Physics organized by the National Center for Physics in collaboration with CERN at Quaid e Azam University, Islamabad, September 1999
24. Participant 24th Nathia Gali International Summer College on Physics And Contemporary Needs held at PC Bhurban (June 1999)
23. Participant and member Organizing Committee 1996 BCSPIN Kathmandu Summer School on High Energy Physics and Cosmology, **Kathmandu, Nepal** June 1996 (BCSPIN SCHOOLS are organized by the International Center for Theoretical Physics, Trieste, Italy; BCSPIN is an acronym for Bangla Desh, China, Sri Lanka, Pakistan, India and Nepal)
22. Participant and member Organizing Committee 1994 BCSPIN Kathmandu Summer School on High Energy Physics and Cosmology, Kathmandu, Nepal May 22 - June 8, 1994
21. Visiting Scientist Instt du Phys. Nucleaire, Orsay, **France** (June 1992)
20. Participant Summer Workshop on High Energy Physics and Cosmology as well as visiting Senior Associate, ICTP, Trieste, **Italy** (July 1992)
19. Participant "Regional Conference on Mathematical Physics" (Dec 1991) Edirne, **Turkey**
18. Participant "Symposium on Lepton Photon Physics and High Energy Physics conference LP - HEP 91 (July 25 - August 1, 1991), at CERN (European Organisation for Nuclear Research), Geneva, **Switzerland**
17. Visiting Senior Associate and participant Summer Workshop on High Energy Physics and Cosmology (June 19 - July 24, 1991), ICTP, Trieste, **Italy**
16. Participant "Cargese 90 Workshop on Z Physics" (August 1990) Cargese, **France**

15. Visiting Associate and participant "Summer Workshop on High Energy Physics and Cosmology" (summer 1990) ICTP, Trieste, **Italy**
14. Participant "3rd Blois Conference on Elastic and Diffractive Scattering at the Interface of Soft and Hard Scattering" +(May 2-6, 1990) Evanston University, Illinois, **USA**
13. Participant "2nd Blois Workshop on Elastic and Diffractive Scattering" (October 15 - 18, 1987) at Rockefeller University, New York, **USA**
12. Invited Speaker at "Regional Conference on Mathematical Physics" (September 21 - 27, 1987) at Cukurova University, Adana, **Turkey**
11. Participant "Cargese 87 Workshop on Particle Physics" (August 3 - 21, 1987) at Cargese Institute, **France**
10. Participant "HEP 87 - High Energy Physics Conference of the European Physical Society" (June 24 - July 1, 1987) at Uppsala, **Sweden**
9. Visiting Associate and Participant "Summer Workshop on High Energy Physics and Cosmology" (July - August, 1987) at ICTP, Trieste, **Italy**
8. Participant "XXIIIrd International Conference on High Energy Physics" (16 - 23 July, 1986) at University of California, Berkeley, **USA**
7. Invited Speaker at "Regional Conference on Mathematical Physics" (January 8 - 10, 1986) at Chittagong University, **Bangla Desh**
6. Visiting Associate and participant "Summer workshop on High Energy Physics and Cosmology" (August 12 - 30 September, 1986) at ICTP, Trieste, **Italy**
5. Participant "Workshop on Elastic and Diffractive Scattering" (June 3 - 6, 1985) held at Chateau de Blois, Blois, **France**
4. Visiting Associate and participant "Summer Workshop on High Energy Physics" (July - August 1985) at ICTP, Trieste, **Italy**
3. Participant "Workshop on Non Perturbative QCD" (summer 1982) at ICTP, Trieste, **Italy**
2. Participant "Nathiagali International Summer College" (summer 1982) at Nathiagali Pakistan

1. Participant “1976 Summer School for Young High Energy Physicists” (summer 1976) at Southampton University, **England**

COUNTRIES VISITED

UK, Italy, France, USA, Sweden, Germany, Bangladesh, Nepal, Turkey, Saudi Arabia, Morocco, Thailand, Czech Republic

MISCELLANEOUS (before becoming VC)

Member Selection Committee **King Faisal International Prize** for Physics (2000); several recipients of this highly acclaimed prize went on to become Nobel laureates subsequently

Chief Editor, *Journal of Scientific Research*, University of the Punjab (March 2005- 2007)

Member National Advisory Scientific Program Committee NCP (National Center for Physics, QAU, Islamabad; NCP is controlled by SPD)

Member Punjab University Selection Board

Member Punjab University Senate

Founder President “Association of Ex Students of Physics Department at P.U.” (AESOP) since 1998

Local Coordinator for World Laboratory Project for Pakistan 1992-97;(Previous Project Directors Prof. J. Ellis; Prof. A. Salam). This project was sponsored by the ICSC - International Centre for Scientific Culture with Headquarters at Laussane, Moscow and Beijing with Prof. A. Zichichi as its President)

Principal Investigator of the research project “*Aspects of Hadronic Scattering*” funded by the UGC – project completed

Principal Investigator of the research project “*The Deep Structure of the Nucleon*” funded by the Punjab University – project completed

Principal Investigator of the research project “*The Chou Yang Model and Hadron - Hadron, Hadron - Nucleus and Nucleus - Nucleus Scattering*” 1987 - 89; project funded by the Pakistan Atomic Energy Commission

Expert for evaluation of project proposals submitted to the **UGC** and the **Pakistan Science Foundation**

Convener Board of Studies in Physics –n 1995-2001, Jan 2007 – Jan 2008 (the responsibilities of the Board include revision of curricula and syllabi) of the University of the Punjab

Elected **member** Punjab University **Syndicate** (1981-82)

Member **Advanced Studies and Research Board** as nominee of the Syndicate (1996-98). The Board is responsible for all matters related to Ph.D. theses.

Life Member Pakistan Institute of Physics

Elected **Secretary** of the **Punjab University Academic Staff Association** 1983-84, 82-83, 73-74 and 72-73

Member **Punjab University Hockey team** (1969-71) and **Captain** of the team (1970-71)

Member **Gordon College Hockey team** and College color holder 1967-69

Awarded **Diploma of Merit** for active participation in the **House of Commons Debating Club**, Gordon College (1965-69)

RESEARCH PUBLICATIONS

PAPERS PUBLISHED IN STANDARD FOREIGN JOURNALS / PRESENTED AT INTERNATIONAL CONFERENCES ABROAD

(Numbering in reverse order to facilitate recent additions at the top)

61. **M. Kamran** and M. Saleem: "Atmospheric Neutrino Physics" **5th International Symposium on Nuclear & Related Techniques**, NURT 2006, April 3-7 2006, Havana, Cuba
60. **M. Kamran**: "A Remark on Neutrino Oscillations" NANP – 03 Conference at Dubna, **Russia** June 22-28, (2003)
59. **M. Kamran**:
"A determination of nucleon form factor ratios using perturbative QCD" Comm. Th. Phys. 23 (1995) 379 (China)
58. **M. Kamran**:
"Probing the flavour asymmetric nucleon sea with weak currents" Comm. Th. Phys. 21(1994) 125 (China)
57. **M. Kamran**:
"Constraints on form factor ratios and bounds on $\nu(\nu) N$ scattering in the standard model" Comm. Th. Phys. 18 (1992) 483 (China)
56. **M. Kamran**:
"A bound on $\nu(\nu)N$ scattering in the standard model" presented at Regional Conference on Mathematical Physics, December 1991, Edirne (Turkey)
55. **M. Kamran**:
"A simple connection between $\nu(\nu) N$ scattering and F_1^n/F_1^p " Phys. Lett. B258 (1991) 441 (Netherlands)
54. **M. Kamran**:
"New results in Quark Parton Model and recent data" Phys. Lett. B253 (1991) 499 (Netherlands)
53. **M. Kamran**:
"A sum rule involving the neutral current structure functions $F_2^{\nu(\nu)N}$ " Had.J. 14(1991) 203 (USA)

52. **M. Kamran:**
"Some relations involving neutral and charged current structure functions" Int. J. Mod. Phys. A5 (1990) 433 (Singapore)
51. **M. Kamran:**
"Simple connections between elastic and inelastic scattering in the Quark Parton Model" Nucl. Phys. (Proc. Suppl) 12(1990) 324 (Netherlands)
50. **M. Kamran:**
"Quark Parton Model and nucleon form factors" Had.J. 12(1989) 301 (USA)
49. **M. Kamran:**
"Asymptotic behaviour of the Dipole Pomeron Model" Had.J. 12(1989) 301 (USA)
48. **M. Kamran** and I.E. Qureshi:
"p α elastic scattering revisited" Had.J. 12(1989) 173 (USA)
47. **M. Kamran** and I.E. Qureshi:
"Chou - Yang / Glauber - Velasco model and Kp elastic scattering" Had.J. 12(1989)43 (USA)
46. **M. Kamran** and I.E. Qureshi:
"Pion Proton elastic scattering at high energies" Had.J. 12(1989) 43 (USA)
45. **M. Kamran** and N.A. Malik:
"Donnachie - Landshoff model and diffraction dissociation at the Spps collider" Had.J.12 (1989) 25 (USA)
44. **M. Kamran** and I.E. Qureshi:
"Chou - Yang model and $\alpha\alpha$ scattering at 126 GeV" Phys. Lett. B188 (1987) 122 (Netherlands)
43. **M. Kamran** and I.E. Qureshi:
"Chou - Yang model and πp elastic scattering at high energies" Int. J. Mod. Phys. A2 (1987) 1871 (Singapore)
42. **M. Kamran** and I.E. Qureshi:
"Chou - Yang model and $\Xi p \rightarrow \Xi p$ scattering" Int.J. Mod. Phys. A2 (1987) 277 (Singapore)
41. **M. Kamran** and I.E. Qureshi:

“Eikonal phenomenology and meson - proton scattering” Proc. of 2nd Blois Conference on Elastic and Diffractive Scattering Oct. 15 - 18, 1987, Rockefeller University, New York, USA; Ed. K. Guolianos

40. M. Kamran:

“ α form factor and $\alpha\alpha$ scattering at CERN - ISR” presented at the EPS 87 Conference, Uppsala University, Sweden

39. M. Kamran and I.E. Qureshi:

“The Chou - Yang model and $\pi\alpha$ scattering at CERN - ISR” presented (by MK) at EPS 87 Conference, Uppsala University, Sweden

38. M. Kamran and I.E. Qureshi:

“The Chou - Yang model and πp and $\alpha\alpha$ elastic scattering” presented (by MK) at the EPS 87 Conference, Uppsala University, Sweden

37. M. Kamran:

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