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SUMMARY

More than twenty years of contribution as teacher educator, researcher, trainer and leading initiatives at national level. Establishment of Quality Enhancement Cell at the University of Education, Lahore prior to launching of Phase I by HEC, Islamabad. Development of degree programs at undergraduate, graduate and postgraduate levels. Trained more than 10,000 teachers in pedagogy at school, college and university levels that may have impacted more than 300,000 students. Currently leading University of Education initiative regarding managing 90 rural primary schools in districts Sheikhpura and Attock under Public school Support Program. Under this program employment has been provided to more than 450 females closer to their homes and has been providing quality education to around 10,000 students. A dynamic leader and expert in integrating teacher education and ICT into content degree programs. Have taught various courses including research methods in education, advanced quantitative research methods, ICT in Education, and teaching of mathematics. Have conducted household, school, village survey multiple times in various contexts.

EDUCATION

Doctor of Education	Teachers College Columbia University, New York, USA Major: Mathematics Education	2011
Master of Education	Teachers College Columbia University, New York, USA Major: Mathematics Education	2009
M.A.	Teachers College Columbia University, New York, USA Major: Mathematics Education	1999
PGD	Ali Institute of Education, Lahore, Pakistan Major: Elementary Education	1995
B.Ed.	Government College of Education, Lahore, Pakistan Major: Mathematics and Physics	1994

PROFESSIONAL AND LEADERSHIP EXPERIENCE

Chairperson STEM Education Department University of Education, Lahore	April 2020 to date
Director, Directorate of Extension and Outreach University of Education, Lahore	04 May 2018 to 2023
Director, Division of Education University of Education, Lahore	16 August 2012 to 04 May 2018
Deputy Director Quality Enhancement Cell University of Education, Lahore	01 July 2005 to 13 May 2008
BEd Manager University of Education, Lahore	01 June 2004 to 30 June 2005
Head of Department Mathematics and Computer Ali Institute of Education, Lahore, Pakistan	1999 to 2002

TEACHING EXPERIENCE

Professor	Courses Taught at University of Education, Lahore, Pakistan Advanced Quantitative Research Methods in Education Technology for Teaching and Learning	2 February 2022 to date
Associate Professor	Computer Applications in Research	3 January 2020 1 February 2022
Assistant Professor	Courses Taught at University of Education, Lahore, Pakistan Advanced Quantitative Research Methods in Education Technology for Teaching and Learning	14 May 2008 to 2 January 2020

Computer Applications in Research
 Statics in Education
 Teaching Elementary School Mathematics
 History of Education
 Research Methods in Education
 Educational Research
 Introduction to Computers

**Lecturer/
 Senior Lecturer**

**Postgraduate Diploma Courses Taught at Ali
 Institute of Education, Lahore, Pakistan**

1997-2002

Teaching Elementary School Mathematics
 Introduction to Computers

PROFESSIONAL INVOLVEMENT

Secretary Project Management Committee	Public School Support Program Phase I under Punjab Education Initiative Management Authority	2016 to date
Secretary Management Body	Public School Support Program Phase Final under Punjab Education Initiative Management Authority	2017 to date
Chairman	Board of Studies in Education, University of Education, Lahore	2012 to 2018
Chairman	Board of Studies in Education, Virtual University, Pakistan	2014 to 2015
Member	Academic Council, University of Education, Lahore	2012 to 2018
Member	Board of Advanced Studies and Research, University of Education, Lahore	2012 to 2018
Editor (Evaluation)	Journal of Research and Reflections in Education, University of Education, Lahore	2013-2014
Reviewer	Journal of Research and Reflections in Education, University of Education, Lahore	2011 to date

Reviewer	An International Journal of South Asian Studies, University of the Punjab	2013-14
Evaluator	Worked as member of the program evaluation team for National Accreditation Council for Teacher Education, Pakistan	2014-15
Focal Person	Intel Teach to the Future program at the University of Education, Lahore	2005-2008

TRAINING OF EDITORS OF TEXTBOOK BORADS

Training of mathematics textbook editors from the Textbook Board,
Punjab

Training of mathematics textbook editors from the Textbook Board,
Khyber PaktunKhawa

IN-SERVICE TEACHERS' TRAININGS CONDUCTED

Promotion link training of Punjab Government college teachers from BPS 18 to 19 & 19 to 20	2019
Training of faculty members of the University of Education affiliated colleges on assessment and examination in semester system	2018-19
Induction Training of Newly Inducted Teachers of the Punjab Education Department	2017-18
Promotion link training of BPS 17, 18 & 19 public school teachers on syndicate work	2015-16
Training of the public sector college teachers regarding lesson study / micro-teaching	2015
Training of Master Trainers regarding teaching of elementary school mathematics under Pakistan Rural Support Program	2006
Training of newly inducted University of Education, Lahore teachers regarding usage of ICT in teaching purpose	2004-06

Capacity Building Training for the School Management Committees (SMCs) of District Kotli, Azad Kashmir	2002
Numerous trainings conducted for the elementary school teachers from 12 districts of the province of Punjab under training and Resource Centers Program funded by UNESCO	1997-2002
Training for <i>k-10</i> mathematics teachers of Convent of Jesus and Mary, Lahore	2001

CONFERENCES ORGANIZED AT UNIVERSITY OF EDUCATION, LAHORE

3rd International Conference on Education: Education in Pakistan: Practices and Challenges. January 2014

4th International Conference on Education: Connecting Research and Practice across contexts. March 2016

5th International Conference on Education: Education in Pakistan: Building Bridge between Mathematics, Science & Technology and Teacher Education. March 2017

RESEARCH PROJECTS

Project Coordinator: Learning and Educational Achievement in Pakistan Schools. Funded by the Worldbank, 2002-04

Learning and Educational Achievement in Punjab Schools (LEAPS) survey carried out in all the public and private schools offering primary level education in 112 villages of the province. This survey includes learning outcomes for 12,000 children [from more than 800 schools] in Class III in Urdu, English, and Mathematics together with detailed information on the beliefs and behavior of schools, teachers and parents. This large and independent exercise provides critical information on every aspect of the educational marketplace, including performance of all types of schools in select districts of the province. The first report presented findings from the first round of the survey in 2003 along with trends for a few key outcomes between 2003 and 2007. Dr. Tahir Andrabi was the Principal Investigator.

Position held: Project Coordinator

Activities performed:

1. Facilitated in translation, piloting, data entry, validation and finalization of the following instruments.

I also trained the enumerators for conducting tests, and interviewing teachers, children, parents, and head-teachers. The teams for the household survey were also trained by me.

I also supervised the phase 1 data collection, data entry, data cleaning and data verification of all the data that were obtained by administering the following tests and questionnaires.

- 1) Household Survey
- 2) School Questionnaires
 - a. School Teacher Roster
 - b. School Child Roster
 - c. Head Teacher Questionnaire
 - d. Class Teacher Questionnaire
 - e. General School Questionnaire
 - f. Child Questionnaires
- 3) Village Household Census Questionnaire
- 4) Village School Census Questionnaire
5. Children tests [class III]
 - a. Mathematics
 - b. Urdu
 - c. English

Principal Investigator: Effectiveness of Literacy Centers: Students miss out in literacy and non-formal education. Funded by Literacy and Non Formal Basic Education Department, Government of the Punjab. 2017. The data were collected from 25 students, 25 parents, 5 social workers and 10 literacy from districts Hafizabad, Sialkot, Mankana-sahib, Sheikhpura and Gujranwala. The final report was submitted to the Literacy and Non Formal Basic Education Department, the donor.

Principal Investigator: Causes of drop-out in literacy and non-formal education in rural areas of Punjab. Funded by Literacy and Non Formal Basic Education Department, Government of the Punjab. 2017. The data were collected from 44 students, 52 parents, 57, teachers and 21 literacy from districts Hafizabad, Sialkot, Mankana-sahib, Sheikhpura and Gujranwala. The final report was submitted to the Literacy and Non Formal Basic Education Department, the donor.

Principal Investigator: Youth Change Program funded by HEC Islamabad under Social Integration Outreach Program, 2017. The following modules were developed and piloted tested and later implements in four villages/groups where more than 80 youth was engaged. The final report was submitted to the HEC as an evidence of the successful completion of work.

1. Essential Life Skills for Youth
2. Problem Solving
3. Team building
4. Conflict Mediation/ Resolution
5. Effective Communication

6. Citizenship and Civic Responsibility
7. Community Consciousness
8. Entrepreneurship for youth
9. Health and Hygiene Issues
10. Youth Leadership

Co-Principal Investigator: Innovating and Designing Engaged Applications in STEM Education. A joint project of University of Education, Lahore and University of North Carolina Wilmington, USA. Funded by the State Department, USA. 2018-19

Public School Support Program [PSSP] Secretary Project Management Committee and Management Body: As Secretary, I have been engaged in preparation of proposal for management of 50 public schools from district Sheikhupura in Phase I of PSSP and 450 schools in various districts of Punjab in final phase of PSSP. At present I have been looking after 92 PSSP schools in districts Attock and Sheikhupura. After comprehensive household survey, focus group discussions with the parents I developed a strategy to increase the enrolment of 90 schools. I further recruited more than 500 teachers and 200 non-teaching staff and trained them for effective teaching in PSSP schools. This project started in April 2016 and now is successfully into its 4th year.

PUBLICATIONS

X Category Journals

1. Hassan, M. U. & Butt, I. H. (2021). The back burner: Educational equity, resilience, and psychological well-being as a predictor on promoting students mental health. *Humanities and Social Sciences Reviews*, 9(3), pp. 808-822
2. Yousaf, F., Rafique, S., Mahmood, S. & Butt, I. H. (2020). A Thematic Analysis of the Voices of Dropouts. *Journal of Research Society of Pakistan*, 57(3), pp. 255-264
3. Yousaf, F., Rafique, S., Mahmood, S. & Butt, I. H. (2020). Who Never Attended School and Who Dropped Out: A Comparative Study of the Voices? *Journal of Research Society of Pakistan*, 57(3), pp. 242-254
4. Hameed, G. & Butt, I. H. (2018). Teaching Mathematics at High School: A Comparison of Public and Private School Teachers' Practices. *Global Social Sciences Review*, III(IV), pp. 127-141
5. Mahfooz-ul-Haq, Tatlah, I. A. & Butt, I. H. (2018). Self-efficacy Beliefs of English and Urdu Medium Schools' Male and Female Teachers. *Global Social Sciences Review*, III(IV), pp. 273-283

Y Category Journals

1. Akram, M. & Butt, I. H (2021). Head Teachers', Teachers' and Parents' Perceptions of Failing Primary Rural Schools in Sheikhupura. *Pakistan Social Sciences Review*, 5(2), pp. 364-374

2. Zubair, M. K., Tatlah, I. A. & Butt, I. H. (2020). Implementation of Curriculum in Traditional and Competency Based Technical and Vocational Education Programs. *Pakistan Journal of Social Sciences*, 40(1), pp. 539-546
3. Yasmin, T., Butt, I. H., & Sarwar, M. N. (2020). A Comparative Analysis of Reporting Verbs in Research Papers authored by Pakistani and Native Writers. *Global Language Review*, V(1), pp. 57-66
4. Sajid, M. A., Tatlah, I. J., & Butt, I. H. (2020). Causes of Drug Abuse Among University Students in Pakistan: Variation by Gender and Drug Type . *Pakistan Social Sciences Review*, 4(1), pp. 459-468
5. Farooq, S., Tatlah, I. A., & Butt, I. H. (2020). Role of Peer Tutoring on the Intrinsic Motivation of Student Teachers in Pakistan: An Experimental Investigation . *Pakistan Social Sciences Review*, 4(1), pp. 381-388
6. Iram, S., Tatlah, I. A., & Butt, I. H. (2020). Use of Information Technology Resources under E-Youth Initiatives among University Students . *Sir Syed Journal of Education & Social Research*, 3(1), pp. 35-40
7. Butt, I. H., Tatlah, I. A., Rehman, A. & Azam, A. (2019). In-class Time Theft in Higher Education Classrooms: An Exploratory Study. *Pakistan Journal of Social Sciences*, 39(1), pp. 19-31
8. Butt, I. H., Tatlah, I. A., Anwer, M. & Junaid, S. (2019). Impact of Shyness on 8th Grade Students' Class Participation. *The Dialogue*, 14(3), pp. 208-217
9. Ranjha, F., Mahmood, M. K & Butt, I. H. (2019). Use and Utility of Teacher Guides for Primary School Teachers in Punjab. *Review of Economics and Development Studies*, 5(1), pp. 5-10
10. Anwer, M., Tatlah, I. A. & Butt, I. H. (2018). Effect of Cooperative Learning on Students' Achievement in English Tenses. *Pakistan Journal of Education*, 35(2), pp. 37-52
11. Butt, I. H., Tatlah, I. A., Rehman, A. & Ghaffar, A. (2018). Determination of Assertiveness Status of Students of a Public Sector University. *Pakistan Journal of Social Sciences*, 38(2), pp. 567-574
12. Nabi, M., Iqbal, M. J., Mand, R. & Butt, I. H. (2018). Teacher in promoting quality education: Head teachers perceptions. *Review of Economics and Development Studies*, 4(2), pp. 145-151
13. Butt, I. H., Talah, I. A. & Anwer, M. (2018). Predictors of Success in Professional Medical Colleges: A Comparison of Boards of Intermediate & Secondary Education Results & MCAT Scores. *The Dialogue*, 13(2), pp.
14. Rashid, S., Qaisar, S., Masood, A. & Butt, I. H. (2017). Role of Traditional vs. Digital Media in Determining Psychological Nationalism and Patriotism among Pakistani Youth. *NDU Journal*, XXXI(), pp. 101-116
15. Butt, I. H. & Qaisar, S. (2017). Readiness of Pakistani University Teachers and Students for M-Learning in a Public University. *Journal of Research and Reflections in Education*, 11(1), pp. 86-96
16. Qaisar, S., Butt, I. H., Hussain, H. & Noreen, F. (2016). Faculty Members' Perceptions Regarding Academic Freedom at University Level in Punjab, Pakistan. *Pakistan Journal of Social Sciences*, 36(2), pp. 1059-1071

17. Waqar, Y., Butt, I. H., Bokhari, T. B., Dogar, A. H. & Qaisar, S. (2016). Use of Interactive White Boards in a Private School in Lahore. *Pakistan Journal of Social Sciences*, 36(1), pp. 219-224
18. Qaisar, S. & Butt, I. H. (2015). Effect of Social Relations on the Productivity of Collaborative Group Work. *Journal of Research and Reflections in Education*, 9(1), pp. 42-53
19. Saleem, K., Butt, I. H. & Farooqi, M. T. K. (2014). Relationship between Students' Research Attitude and Program Fee in Higher Education Institutions of Pakistan. *Journal of Research and Reflections in Education*, 8(2), pp. 139-145
20. Butt, I. H. & Dogar, A. H. (2014). Gender Disparity in Mathematics Achievement among the Rural and Urban High School Students in Pakistan. *Pakistan Journal of Social Sciences*, 34(1), pp. 93-100
21. Butt, I. H., Butt, T. M. & Ullah R. (2013). Restructuring Compulsory Education in Pakistan in the Post-eighteenth Constitutional Amendment Era: Insights from the Region and Developed Nations. *South Asian Studies*, 28(2), pp. 415-426
22. Butt, I. H. & Shams, J. A. (2013). Master in Education Student Attitudes towards Research: A Comparison between two Public Sector Universities in Punjab. *South Asian Studies*, 28(1), pp. 97-105

STUDY TOURS

Visited Bangladesh to study the Non-Formal Primary Education (NFPE) Program of Bangladesh Rural Advancement Committee (BRAC)	1997
Visited India to study to familiarize with educational institutions and learning environment to create innovative ideas of learning by using ICT under Intel Teach Program	2007
Visited Canada to study the best practice regarding teacher education, teaching practice and internship	2007
Visited the Philippines to study teacher education programs offered through formal and distance education	2014
Visited University of Cincinnati, USA in order to develop formal linkage between University of Education, Lahore and University of Cincinnati. Visited various schools in order to get firsthand knowledge of how k-12 education is organized in Ohio state.	2014
Visited Japan in order to participate in 8 th biennial meeting of the International Network (IN) of Teacher Education Institutions associated with the UNESCO Chair on Reorienting Teacher Education to Address Sustainability	2014

Visited Qatar to develop feasibility of establishment of a private school in Doha; met heads of a couple of private schools and parents from South Asian community	2014
Visited University of Cincinnati, USA to study STEM and Special Education programs	2015
Visited Sweden to participate in 9 th Biennial Meeting of International Network of Teacher Education Institutions	2016
Visited Sweden to participate in 1 st Swedish International Conference on the Global Action Plan on ESD in Sweden	2016

COMPUTER SKILLS

Experience of working with MS Word, MS Excel, MS PowerPoint, SPSS, MLM and extensive use of internet and educational software in teaching

LANGUAGES

English, Urdu & Punjabi

AWARDS

1. Certificate of distinction for outstanding performance in Computer literacy from Ali Institute of Education, Lahore
 2. Intel Award for Innovative use of learning technology
 3. Best University Teacher Award 2014 by Higher Education Commission of Pakistan
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REFERENCES

Dr. Erica N Walker, Professor of Mathematical Education, Teachers College Columbia University, Email: ewalker@tc.edu

Dr. Farhat Saleem, Former Principal, University of Education, Bank Road Campus, Lahore, Cell: 0321-8445446