

9th

INTERNATIONAL CONFERENCE ON RESEARCH IN EDUCATION



2021
ICORE
9th International Conference on Research in Education
November 16-18, 2021



Conference Chair
Prof. Dr. Rafaqat Ali Akbar
Director
Institute of Education and Research

Conference Secretary
Prof. Dr. M. Shahid Farooq
Chairman, DASE
Institute of Education and Research

Abstract Book

Institute of Education and Research

University of the Punjab, Lahore, Pakistan



Theme
**Globalization and
Internationalization
of Education**

November 16-18, 2021



Abstract Book

Prof. Dr. Rafaqat Ali Akbar

Conference Chair

Prof. Dr. Muhammad Shahid Farooq

Conference Secretary

Institute of Education and Research

University of the Punjab Quaid-e-Azam Campus, Lahore-Pakistan

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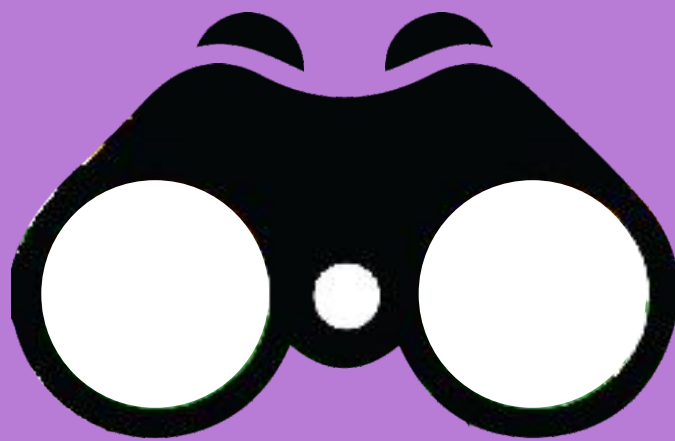
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Institute of Education and Research

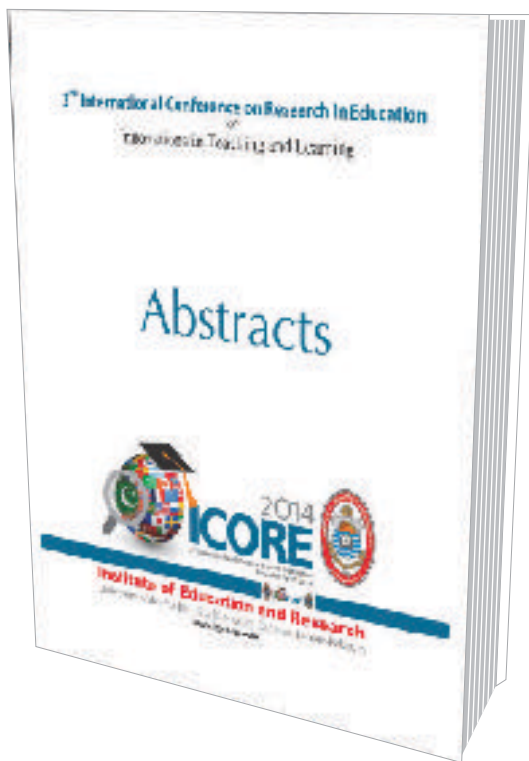
University of the Punjab, Lahore - Pakistan



The Institute of Education and Research (IER) is located at Quaid-e-Azam Campus, University of the Punjab, Lahore. The institute was established in September 1960 in cooperation with the School of Education, Indiana University, USA. It is the pioneer Institute in Pakistan for advanced studies in the field of education. The major aim of the institute is to provide advance teacher training. The institute has conducted several researches in collaboration with UNICEF, World Bank, Asian Development Bank, UNESCO, USAID, GTZ, AUSTaid, HEC, DSD, Government of the Punjab, and Government of Pakistan. It is a matter of honour for the institute that it has contributed a lot to the nation building by conducting national and international conferences, seminars, workshops, round table discussions, and symposia. The institute has provided thousands of trained teachers to the country at all levels. Many new departments and programs have been added to the institute since its inception. The enrolment rate in the institute has increased manifold. Curricula of various programmes of the institute are revised and updated regularly. Institute is also serving the nation by providing consultancy and expert advice to various national and international



**GLIMPSES
of Previous ICOREs
(2014-20)**



Welcome by Conference Patron

Prof. Dr. Mujahid Kamran
Vice Chancellor
University of the Punjab,
Lahore - Pakistan

It is a great privilege for me to welcome guests, participants and contributors to 2nd International conference on Research in Education (ICORE 2014) on "Innovations in Teaching and Learning" organized by Institute of Education and Research, University of the Punjab, Lahore. I congratulate Prof. Dr. Mumtaz Akhtar, Conference Chair and Dr. Muhammad Shahid Farooq, Conference Secretary for organizing this fabulous conference at Institute of Education and Research, University of the Punjab. This conference will provide opportunities to the participants to share their ideas and information related to innovations in teaching and learning at various levels of education from pre-school education to PhD level education. It will develop insight and understanding of the participants in the field of education. It will also provide opportunities to know the new trends in teaching and learning in global perspective.

I am sure this program will contribute to the improvement of teaching and learning process in educational institutes of Pakistan. It will also open up new horizons for research in this field. I hope IER will continue to organize such programs for nation building and international cooperation for the improvement of quality of education and research in this field.

I am thankful to the conference organizers for providing me the opportunity to be part of the galaxy of educators, researchers and educational planners from all over Pakistan and abroad.

Welcome by Conference Chair

Prof. Dr. Mumtaz Akhter
Ph.D. Edu. (Pb), Post Doc. (UK), M.A. Edu.
Director IER & Dean Faculty of Education
University of the Punjab, Lahore-Pakistan



I am very much privileged to welcome you all to the 2nd International Conference on Research in Education (ICORE) with the theme "Innovations in Teaching and Learning" organized by Institute of Education and Research, University of the Punjab, Lahore-Pakistan. I feel no hesitation to proclaim that the attractive acronym of the conference ICORE is the creation of Dr. Muhammad Shahid Farooq Conference Secretary. This honour goes to him as he voluntarily spent a lot of his time in a quite systematic and smart way for the quality and success of this event.

Institute of Education and Research enjoys its high status of being premier seat of higher learning in the field of Education in Pakistan. In future ICORE will also become a permanent feature and identity of the institute for providing leadership to the nation in the domain of teaching and research.

The conference is aimed at providing a platform to researchers, academicians and learners to share their experiences and knowledge in order to improve quality of education. This forum will help to provide opportunity to learn from researches from various countries around the globe and to learn lessons in order to resolve educational problems in local context. I hope you will take advantage of this opportunity and contribute, through presentations, discussions and interaction, for development of new ideas and dimensions in education and research.

I admit that success of the conference will depend on the healthy participation from presenters and participants. I would like to thank distinguished keynote speakers for coming here and sharing their knowledge and experience. I take this opportunity to thank all team members who did an excellent job of translating the idea into reality. I would also extend my gratitude to reviewers who worked hard to select best papers that fit with this conference. I would also thank from the core of heart to the guests from other universities and administrative organizations who specially spared time from their busy schedules to grace this occasion.

On behalf of the faculty, students, and employees of IER, I thank you all for contributing to the success of this conference.

Wishing you a comfortable and enjoyable stay in the wonderful city of Lahore.



Welcome by Conference Secretary

Dr. Muhammad Shahid Farooq
Assistant Professor
Ph.D. Edu. Sc. (France), Ph.D. Special Edu. (Pb), Post Doc. (France)
M. Ed (Gold Medalist), M.A. (Economics), DFL (France)

It is a matter of immense pleasure for me to welcome you in the historic city of Lahore to join us at 2nd International Conference on Research in Education (ICORE 2014) organized by Institute of Education and Research, University of the Punjab Lahore, Pakistan with the theme "Innovations in Teaching and Learning". I bow my head to Almighty Allah (SWT) who gave me the idea of ICORE and bequeathed me with strength, ability, and astuteness for organizing this landmark learning opportunity. Due to His incalculable blessings this dream turned into such a matchless, lively, grand, historic and enthusiastic international event in the history of University of the Punjab, Lahore-Pakistan.

Today the world academia is much more concerned with the improvement of teaching learning process to ensure the quality of education. This conference serves as a forum for international academicians, educators, experts and researchers for sharing their experiences and practices in different cultural perspectives for the improvement of teaching and learning. This forum will help in providing the opportunity to learn from researches from various countries around the globe and to learn in order to resolve educational problems in local context.

This conference will be a great opportunity for researchers, teachers' educators, teachers, practitioners, social scientists, students and professionals around the world for presentation and sharing of research based knowledge, experiences, new advancements, empirical results and innovations in the field of education. The presenters will share their work on wide range of topics addressing educational problems and their solutions.

ICORE organizing committee welcomed papers relating to 46 strands and received 423 research papers from national and international researchers which were peer reviewed and 308 papers got acceptance for presentation. Papers were also received from China, Philippines, USA, UK, UAE, KSA, Germany, Malaysia, Australia, Nigeria, India, Bangladesh and Jammu & Kashmir.

ICORE's highlights will be reflected from the Four international and Four national keynote speakers. This event will contribute towards the achievement of national and international educational goals and targets. It will also be an opportunity to offer policy guidelines for the national and international policy makers.

I am all appreciation to the ICORE Advisory Committee for their valuable suggestions and all the faculty members for their support and cooperation. My thanks are also for my students who spent a lot of time with great commitment and patience for the success of this conference.

It is privilege for me to pay my special gratitude to the chief guest of this conference, Prof. Dr. Mujahid Kamran, Vice Chancellor, University of the Punjab, Lahore for munificent patronage, and sparing his valuable time to celebrate this event.



Welcome by Conference Patron

Prof. Dr. Mujahid Kamran
Vice Chancellor
University of the Punjab,
Lahore - Pakistan

It is my great pleasure to welcome you, in a distinguished body of academics, researchers, practitioners ; participants, of 3rd international conference on research in education (ICORE 2015) organized by Institute of Education and Research, University of the Punjab. I congratulate Prof. Dr. Mumtaz Akhtar Conference Chair and Prof. Dr. Rafaqat Ali Akbar conference secretary for organizing this excellent conference at Institute of Education and Research, University of the Punjab. This 3rd International Conference on Research in Education ICORE2015 is an opportunity to the participants and scholars to share their intellectual ideas and scientific results related to variety of aspects of education and innovations in teaching and learning at various levels. Research not only acknowledges its own context but also recognizes wider translations of contexts with its social, cultural and political similarities and differences. This conference will build and promotes free and open dialogue and critical discussion and also provide opportunity to learn from researches in order to understand educational problems in local and international context. I hope you will take advantage of this opportunity and contribute through presentations, discussions and interaction for development of new ideas and dimensions in education.

I hope Institute of Education and Research along with international cooperation will continue to organize such programmes for nation building and for the improvement of quality of education and research in this field. I would like to express my sincere appreciation to all of you for your contributions and participation in the 3rd International Conference. It is indeed a great pleasure for me to be a part of this galaxy of educators, researchers and educational planners from all over Pakistan and abroad. Before concluding, let me congratulate again the Director of the Institute of Education and Research who will serve as conference Chair, Conference Secretary and organizers of this fabulous Conference, and wish that it will become a mutually enlightening and enriching experience for all involved in this conference.

Welcome by Conference Chair

Prof. Dr. Mumtaz Akhtar
Ph.D. Edu. (Pb), Post Doc. (UK), M.A. Edu.
Director IER & Dean Faculty of Education
University of the Punjab, Lahore-Pakistan



I feel honored and privileged to welcome you in 3rd international conference on research in education (ICORE 2015) organized by Institute of Education and Research, University of the Punjab Pakistan. I appreciate Prof. Dr. Rafaqat Ali Akbar conference secretary for his tremendous efforts in organizing this excellent academic event at Institute of Education and Research. He worked day and night to bring this international conference dream into reality.

ICORE 2015 is 3rd International Conference on Research in Education and has become a permanent yearly feature of Institute of Education and Research. This institute is famous for providing excellent leaning and teaching environment to the prospective teachers and scholars. It has become an icon of high standard teacher education and great centre of personality building. This conference will further enhance its value in the Education system of Pakistan.

The conference will provide forum to national and international scholars to unfold realities of education and research, raise awareness about educational issues and offer solutions to solve these issues. This is the forum where academicians and educationist share their scholarly thoughts on education and research. The articles and research papers presentations will open new venues for intellectual discussions and provide opportunities to the participants to learn from each other. I am really proud to be the part of this prestigious event of learning activity.

I would like to thank the distinguish key note speakers for taking time out from busy schedule and provide us the opportunity to share their intellectual thoughts. I pay my gratitude to the ICORE 2015 team for their hard work and making this event a success. I would like to thank the reviewers who put their expert efforts to select best papers for the conference. I also like to thank our national and international guests for sparing their valuable time for this conference.

Finally on behalf of faculty, students and employees of Institute of Education and Research, I thank all of you for participation in the success of this conference. I wish you pleasant and enjoyable stay in historic city of Lahore.



Welcome by Conference Secretary

Prof. Dr. Rafaqat Ali Akbar
Ph.D. Edu. (Arid), Post Doc. (UK),
Chairman, Department of Elementary Education
University of the Punjab Lahore- Pakistan

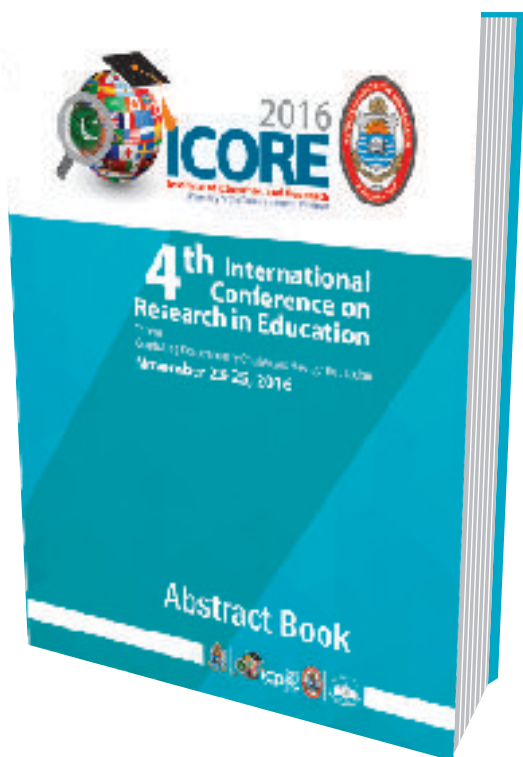
Distinguished Delegates, Ladies and Gentlemen it gives me great pleasure to extend to you all, a very warm welcome to the 3rd International Conference on Research in Education ICORE 2015 and to say how grateful we are to Vice chancellor who has accepted our invitation to be the Patron of this international conference. It is an appropriate time to renew contacts and discuss problems of mutual interest for improvement of quality of education with delegates from national and international universities.

It is gratifying to note that the programme of the conference covers a wide range of very interesting topics of teaching and learning. The response to ICORE 2015 was overwhelming. We received a large number of papers from all over the world, which were peer reviewed and the committee selected the papers for presentation. The themes under which papers are going to be presented are: Teacher Education, Educational Assessment, Curriculum, Special Education, ICT in Education, Science Education, Inclusive Education, Distance Education, Contemporary Trends in Education, Educational Administration, ELT and Educational Psychology.

Teaching and learning process in education is improving throughout the world due to efforts by academicians, scholars and researchers. Today this conference will benefit from the experts and researchers as they will share their knowledge and experience about teaching and learning. The presenters and participants will discuss new advancement in the field of education. This conference also provides the opportunity for national and international researchers to gain knowledge through participation in healthy discussions which will be useful to achieve various educational goals.

I would like to pay my heartiest gratitude to the ICORE 2015 Advisory Committee; Prof. Dr. Muhammad Saeed Akhtar, Prof. Dr. Abid Hussain Ch, Prof. Dr. Rizwan Akram Rana and members of organizing committee, volunteers students and employees for their great cooperation and contribution to make this event more successful. I wish you all every success in your deliberations and a very pleasant stay in Lahore.

I also extend my thanks and best wishes to all the delegates travelling from abroad and across the country for their participation, presentations and sharing their research findings. I hope you will find your stay a memorable, enjoyable and full of academic and social exchange.



Welcome Message



Prof. Mujahid Kamran, PhD
Conference Patron
Vice Chancellor, University of the Punjab

On behalf of the University of the Punjab, I feel great delight in saying welcome to all dignitaries, national and international keynote speakers, presenters, professionals, academicians, M.Phil and PhD scholars, and students who are going to make 4th International Conference on Research in Education (ICORE 2016) an historic and memorable event in the history of Institute of Education and Research, University of the Punjab, Lahore, Pakistan. The conference theme "Combating Contemporary Challenges through Education" is reflective of the vision and dynamic approach of the leaders and faculty members of this institute who have always been striving hard for developing research culture, producing outstanding students, and going ahead in international collaboration and sharing of knowledge.

It is worth appreciating that the scope of ICORE 2016 has been widened through including other areas and disciplines of Social Sciences. It will, definitely, prove a milestone in strengthening the ties among researchers from other fields of Social Sciences through sharing the research findings of their respective fields, collaborating with conference delegates, exploring ways of building bridges, and creating think tanks. I hope ICORE 2016 will open new avenues of research to combat contemporary challenges and issues through education.

I extend warmest greetings to honourable foreign and national guests who are going to grace this great occasion with their valuable contributions and presence. I do hope that they will, certainly, enjoy their stay in the historical city of Lahore. Wishing you a safe journey, a comfortable stay in the old and traditional city of Lahore, and pleasant moments in the University of the Punjab, Lahore, Pakistan!

I hope that conference participants will certainly enjoy their stay in Lahore which is one of the oldest cities in the world. I do expect that conference deliberations and proceedings will assist us come up with workable solutions to the issues and challenges posed by contemporary global situation in the field of education and research.

Welcome Message



Prof. Mumtaz Akhter, PhD
Conference Chair
Director, Institute of Education and Research
Dean, Faculty of Education

It is a matter of great honor and immense pleasure for me to welcome you to the 4th International Conference on Research in Education (ICORE 2016). The conference theme "Combating Contemporary Challenges through Education" invites academicians, teacher educators, educational planners and policy makers, scholars, experts and researchers to ponder and contemplate on diversified issues and challenges in the form of terrorism, extremism, corruption, natural disasters, intolerance etc. which are prevalent over the globe in general and in Pakistan in particular. The substantial purpose of the conference is to gather academia to identifying these issues and challenges and finding approaches, methods, and techniques to combat them for paving ways to conduct research in education in a healthy and conducive environment.

The ICORE 2016 hosting institution is Institute of Education and Research (IER), University of the Punjab which has been providing quality training in teacher education and research since 1960. The graduates of IER are serving in a wide range of settings nationally and internationally and earning pride for us. University of the Punjab was established in 1882 and is the largest and oldest university in Pakistan. The conference venue is Quaid-e-Azam Campus, University of the Punjab, which is famous for its lush green plantation and unique location by the bank of enchanting Lahore Canal. It is the most beautiful and wide of its five campuses in Lahore, Gujranwala, Jhelum, and Khanispur. University of the Punjab is performing its leading role in the promotion of research culture and in the development of educational facilities for all masses.

Lahore city is the capital of Punjab province and is one of the oldest and largest cities of Pakistan. It is popular for its historical places, Mughal heritage, customs, traditions and hospitality. This city will attract your attention for being a captivating amalgamation of old and new. I believe that ICORE 2016 will not only provide a platform to share a diverse variety of stimulating scientific findings but also an exemplary opportunity to national and international delegates both professionals and students to develop future interreactions and collaborations.

Welcome Message



Prof. Abid Hussain Ch. Ph.D
Conference Secretary
Chairman, Department of Secondary Education, IER

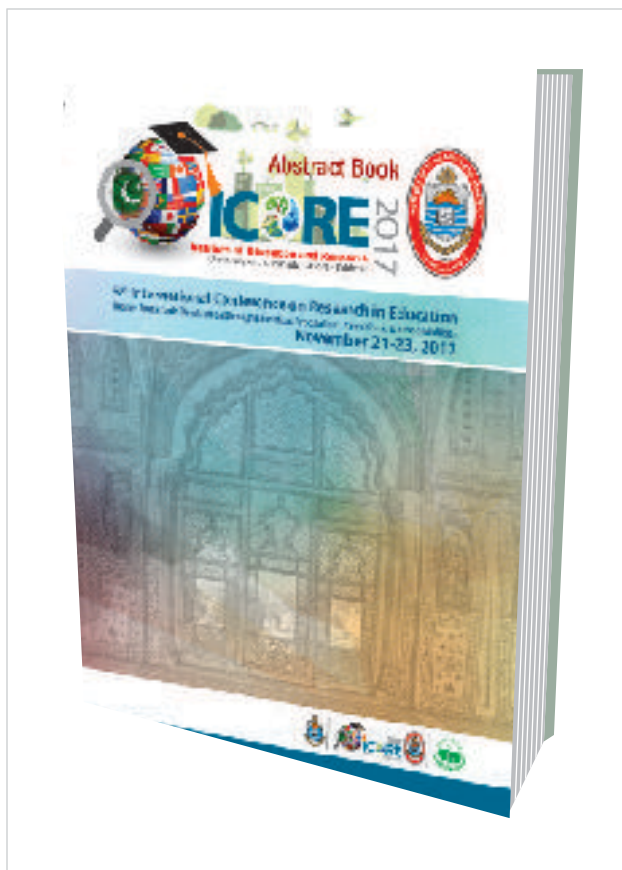
On behalf of Organizing Committee, I, from the very core of my heart, welcome you all on the propitious event of 4th International Conference on Research in Education (ICORE 2016). This conference is the occasion for which we have all been working diligently. A large number of scientific sessions, keynote addresses, plenary sessions, panel discussions, and pre and post conference workshops have been planned to make this conference highly productive and research oriented. An array of national and international speakers will also be enhancing the worth of conference with their expertise in their relevant fields.

The 4th International Conference on Research in Education (ICORE 2016) is highly needed this time when there is reluctance in conducting major academic activities due to the security threats. We, under the leadership of Prof. Dr. Mujahid Kamran, Vice Chancellor, University of the Punjab, are trying our level best to promote research culture and enhance university ranking globally by holding such great events as ICORE 2016.

Institute of Education and Research (IER), University of the Punjab is playing its leading role in providing training to prospective teachers, conducting lectures and workshops, inviting experts of national and international repute, holding seminars, and national and international conferences to produce quality teachers and researchers which will, ultimately, make a mark and be a source of inspiration and pride for the whole nation.

I hope that conference participants will certainly enjoy their stay in Lahore which is one of the oldest cities in the world. I do expect that conference deliberations and proceedings will assist us come up with workable solutions to the issues and challenges posed by contemporary global situation in the field of education and research.

Wishing you a happy and comfortable journey to Lahore in pleasant November, 2016!



Welcome Message

Prof. Zaffar Mueen Nasar, PhD
Conference Patron
Vice Chancellor, University of the Punjab

On behalf of the University of the Punjab, I welcome to all the dignitaries, national and international delegates, keynote speakers, presenters, research scholars and students to the 5th International Conference on Research in Education, ICORE 2017 in the historic city of Lahore.

Sustainable development is one of the major goal of MDGs. Theme of the conference "*Sustainable Development through Education: Articulations, Conditions & Responsibilities*" delivers a message not only to the teachers' community but also for policy makers to assume their responsibility towards achieving this goal. I congratulate the team ICORE 2017 and the faculty members of the institute for their vision and foresight towards the role of education in near future.

I am glad to learn that more than 300 national and international delegates are in attendance in this conference. I extend my warm welcome to the foreign delegates of Australia, Malaysia, UAE, Saudi Arabia and Nigeria. Likewise our national delegates representing all the federating units of country, ranging from coastal areas of Sind and Baluchistan to the valleys of Swat, Gilgit and AJK, are welcomed from the core of my heart. The platform of this conference will serve to levitate an image of Pakistan, that is more positive, more sustained. I would like to welcome each of you and wish the very best in your deliberations. Your presence is the strength of our conference and University of the Punjab feels honored to host our distinguished guest scholars. I hope that the participation in the conference will be remembered as a pleasant memory.

Finally, I would like to commend Conference organizing committee ICORE 2017 for their efforts in developing such a stimulating and interesting conference programme. I expect that conference will bring some workable solutions as well as a roadmap to achieve the objective of 'Sustainable Pakistan'.

Pakistan Zindabad

Welcome Message

Prof. Rafaqat Ali Akbar, PhD
Conference Chair
Director, Institute of Education and Research (IER)



It is with great pleasure that I extend my warmest welcome and best wishes to all participants of 5th International conference on Research in Education, ICORE 2017. The theme of the conference "*Sustainable Development through Education: Articulations, Conditions & Responsibilities*" has gathered the attention of a wide array of teaching learning community representing all areas of the country and all levels of education. The participation of our honorable guests in various roles like experts, professionals, presenters, researchers and academicians has colored the autumn season in spring. I welcome you all from the core of my heart. I sincerely hope that the dialogue generated at the conference will lead to the implementation of ideas and improvements in the field of education.

With its vibrant heritage, the Institute of Education & Research is positioned in the center of Lahore, the city of culture. Since its inception in 1960 in University of the Punjab, as the pioneer teacher training institute in the country, the institute is on its way to achieving the milestones towards quality teacher education & research. Much has been achieved and much more has to be. The institute has earned the name in producing eminent scholars and providing an opportunity to thousands of students earning an economical quality teacher education at university level. The institute offers a living laboratory for educators and researchers to explore and adopt the most successful techniques of instruction and innovative research methodologies. Our graduates are at forefront in the education system and are greatly contributing in the development of the country.

This conference is extremely significant and provides a wonderful opportunity to fellow educators, research scholars and professionals. I am sure that efforts here will further the developments in the field of education that are more responsive to the demands of a sustainable country in every walk of life and more aligned with the global standards. We look forward to engaging with all of you to produce a deep, thoughtful set of works that guide our shared endeavor of taking Pakistan to the height of glory.



Welcome Message

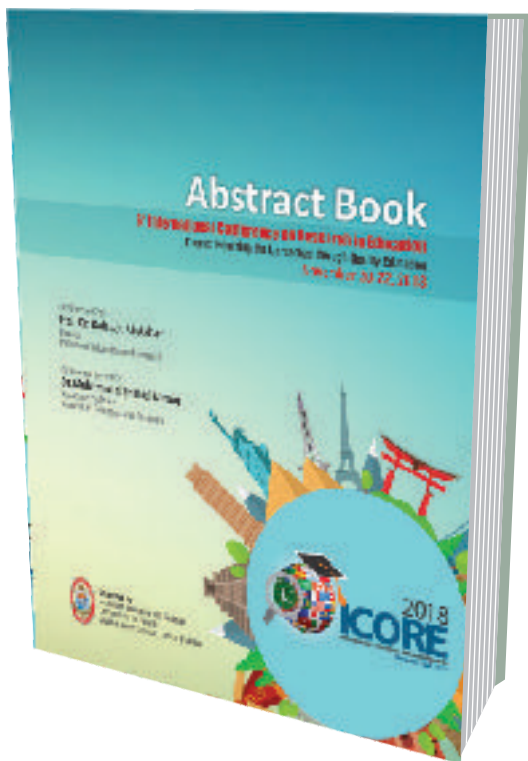
Prof. Rizwan Akram Rana, PhD
Conference Secretary
Chairman, Department of Science Education, IER

On behalf of organizing committee, I feel honored to welcome all the worthy guests, distinguished delegates, learned scholars, enthusiastic participants and motivated students to this auspicious event of 5th International Conference on Research in Education. From the conception of the theme of the conference to the manifestation of the event, there is a coordinated chain of efforts, from the Chief Patron to our dedicated volunteers, to make this event a platform where you find yourselves more comfortable and more vocal to share your researches, experiences and potentials. I aspire and wish that all this positive energy be channelized to a productive outcome. To achieve the objective, more than 300 concurrent sessions, keynote addresses of national and international speakers, virtual sessions, focused group discussions and pre & post conference workshops have been organized in well-equipped venues.

This year the message disseminated through the theme of the conference "*Sustainable Development through Education: Articulations, Conditions & Responsibilities*" is welcomed by the researchers and presenters from all over the country. More than 300 research papers, authored and co-authored by over 1000 scholars have been included in the conference after an extensive blind peer review. The selected full length papers will be gone through a double blind peer review process for publication in the special conference editions in journals of the institute. The conference thus will add to the existing body of knowledge in relevant perspective.

We, the leaders in education assume the responsibility to instill this consciousness through this conference. The need of time is that all the participants through negotiations and discussions come up with feasible solutions so that we make Pakistan and this world a better lived place through education reforms. I thank you all for being here and wish you an enjoyable stay and safe journey.

I would like to extend my gratitude to the conference patron, conference chair, and advisory committee, organizing committee, faculty members of the institute, support staff and highly dedicated volunteers. Without their continuous efforts, the dream of the event couldn't come true.



Conference Patron: Prof. Dr. Niaz Ahmad Akhtar
Vice Chancellor, University of the Punjab, Lahore



Reaching the unreached, marginalized and underserved populations is at the top agenda for the world communities for ensuring peace, harmony and prosperity in the world. Inclusion of children who are out of school and retention of children at risk of dropping out of school, and achieving quality education for all, including the unreached and unprivileged populations, with an improved quality of teaching learning process (educators, learning resources, curriculum, learners) and learning outcomes are the challenges faced by developing nations like Pakistan. These objectives are hard to achieve without sound research and appropriate teacher preparation to meet these challenges. It is a matter of great pleasure to see the Institute of Education and Research organizing its 6th International Conference in the form of ICORE 2018 during November 20-22, 2018 on a very special theme "Reaching the Unreached through Quality Education". I congratulate the institute for organizing this conference. I hope this conference will provide you with an opportunity to meet and interact with an assorted range of professionals and experts of the field where all will be able to listen, to learn, to educate, and to exchange ideas with their colleagues. This international conference will provide a great prospect to meet with speakers and innovators in the field of education and research. I could see the amount of efforts put in by the conference organizing committee, and all our colleagues in organizing this conference in this Institute. I complement IER for organizing such an important conference here in University of the Punjab.

Conference Chair: Prof. Dr. Rafaqat Ali Akbar
Director, Institute of Education and Research, University of the Punjab, Lahore

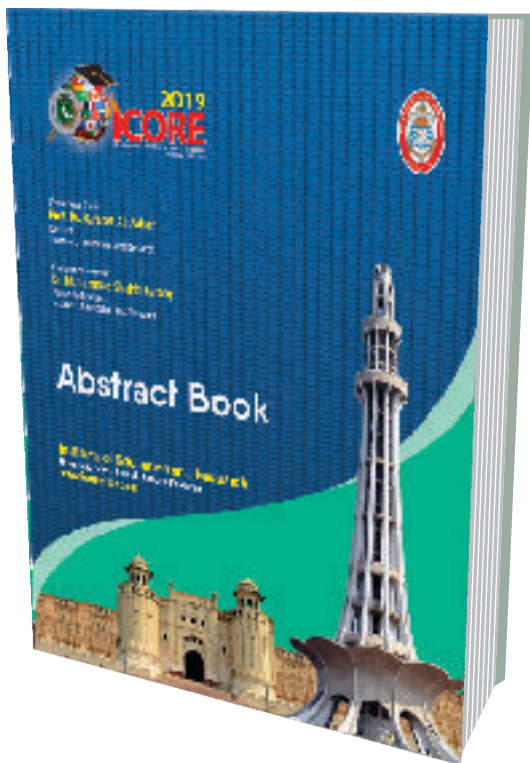
World is very much sensitized to bring prosperity, peace and harmony for individuals' enjoyable life by eradicating illiteracy and barriers in the way of accessible educational opportunities through reaching the unreached. It is a pleasure to welcome you to the 6th International Conference on Research in Education ICORE 2018. Over the past 6 years, ICORE has grown to be a wonderful international event in the field of Education. It attracts scholars, researchers, and practitioners in the field from all over the world. As a Conference chair of ICORE 2018, I am aware of the fact that the success of the conference depends ultimately on efforts of many people who worked with us in planning, organizing and arrangements. ICORE has become an international forum for discussion on recent advances, inspiring ideas and challenges emerging in the field of education. The conference provides an international environment for researchers and practitioners in the broad areas of education quality, multi-cultural society, curriculum design, and innovations to enhance learning. I am confident that this conference will pave a way to quality and access themes across the range of topics to discuss and think differently by communicating together. We can learn from each other's experiences. I wish for your valuable and enjoyable stay at Lahore.



Conference Secretary: Dr. Muhammad Shahid Farooq
Associate Professor, Institute of Education and Research, University of the Punjab, Lahore



Provision of equitable and sustainable barrier free educational environment is commitment of the world communities by focusing on inclusiveness and ensuring participation of school age children through reaching the unreached children living in deprived urban and rural settings. On behalf of Organizing Committee of ICORE 2018, I take great pride and privilege to welcome all delegates of 6th International Conference on Research in Education ICORE 2018. This scientific activity has become a mega event and a prestigious platform for experts, teachers, teacher educators, researchers, practitioners and policy makers. It has become a new and highly efficient forum for national and international researchers for sharing their contributions and innovations. Every year IER welcomes hundreds of the speakers and thousands of the participants across the country as well as from abroad. This year as previous years many more are expected as speakers and participants. I am confident enough that all participants will immensely benefit from this activity. ICORE organizing committee received 305 papers and after blind peer review 215 papers were given acceptance for presentation in the conference. The international guests in this event are from US, UK, France, Sweden, Australia, Philippines, Malaysia, UAE, South Korea, New Zealand, Mauritius. Four pre conference workshops are arranged on "Partial Least Squares Structure Equation Modeling (PLS – SEM) using Smart PLS 3", "Why and How Qualitative Research", "Conceptualizing Good Research Project, and "Silent Learners in e-Learning Environment", by the national and international experts. I am looking forward to a highly interesting and valuable discourse, stimulating deliberations, and encounter with many new colleagues and opportunity of their addition in this wonderful bunch of scholars.



Message from the Conference Chair

Prof. Dr. Niaz Ahmad Akhtar (SI)
Vice Chancellor
University of the Punjab, Lahore-Pakistan

Quality education without quality teaching and quality teaching without quality teachers seems unachievable goal in 21st century. Advanced nations have transformed the preparation of teachers by using latest technologies and techniques through informed decisions. Due to globalization and digital integrative environment, developing world is encountering many challenges in teacher education and research. It is essential to make research as an active component of education. Institute of Education and Research is playing its role to lead this discipline in the country. I am happy and appreciate that IER is organizing different activities for advancement of this discipline throughout the year. International Conference on Research in Education (ICORE 2019); a hall mark event in the country is playing a very significant role in creating opportunities for scholars to share their knowledge, inspiring ideas, innovative thoughts, and recent advances for development in the field of teaching and learning on an international platform. I am sure this conference will contribute in the development of teaching and learning process to meet the challenges of 21st century. It is a great privilege and pleasure to welcome International and national delegates, keynote speakers, participants, presenters, guests and other contributors of 7th ICORE with the theme "Teacher education: 21st century challenges". I enthusiastically acknowledge efforts of Conference Chair Prof. Dr. Rafiqat Ali Akbar and Conference Secretary Dr. Muhammad Shahid Farooq, Members of Organizing Committee and their team for holding such a marvelous and lively event for Pakistani Scholars.

I am optimistic that 7th edition of ICORE will provide wide opportunities of mutual interaction, listening and exchange of ideas with international and national distinguished speakers, experts, educators, professionals and learners for improving their teaching and research skills. Seven Pre and post conference workshops under the direction of international and national resource persons will be a great learning experience for novice scholars and professionals. The recommendations of this conference may serve as a beacon of hope for the policy makers.

Message from the Conference Chair

Prof. Dr. Rafiqat Ali Akbar
Director
Institute of Education and Research
University of the Punjab, Lahore-Pakistan



Advanced nations are always demanding towards high quality teaching and learning opportunities for young learners. Teachers are expected not only to have a high level of latest subject matter but also with handsome pedagogical skills. Teacher education is a very noble task for developing future teachers by equipping them with knowledge and skills that in turn leads to improved learning of learners. Institute of Education and Research feels its responsibility to introduce new ideas and initiatives in the discipline of teaching and learning. It is my responsibility to welcome all international and national delegates, presenters and enthusiastic participants gracing the 7th International Conference on Research in Education (ICORE 2019). I believe we have selected a very demanding theme for the three days conference; Teacher Education: 21st Century Challenges. The aim of these deliberations is to provide a platform for researchers, academicians and professionals to present their recent research work and to explore future trends in various areas of teacher education. This wonderful event is enriched with keynote speeches of invited international and national experts and plenty of technical papers by local researchers from different universities of the country. Moreover, there are seven pre and post conference workshops making this event more enjoyable and full of learning prospects. As a conference chair of ICORE 2019, I know that the success of the conference depends ultimately on many people who have worked with us in planning and organizing both the program and supporting social arrangements. In particular, we thank the Conference Patron Prof. Dr. Niaz Ahmed Akhtar Vice Chancellor University of the Punjab Lahore-Pakistan for his generous support and encouragement in making this event a success. Thanks to conference organizing committee for its wise advice and brilliant suggestions in organizing the program; the technical Committee for their thorough and timely reviewing of the papers, other committees and our team for untiring efforts across the year. Recognition should go to the Conference Secretary and his team who have all worked extremely hard for the details of important aspects of the conference programs and social activities. I am sure that scholarly recommendations of this conference will lay down new trends in teacher education in the country. I wish you all a very enjoyable stay at Lahore.

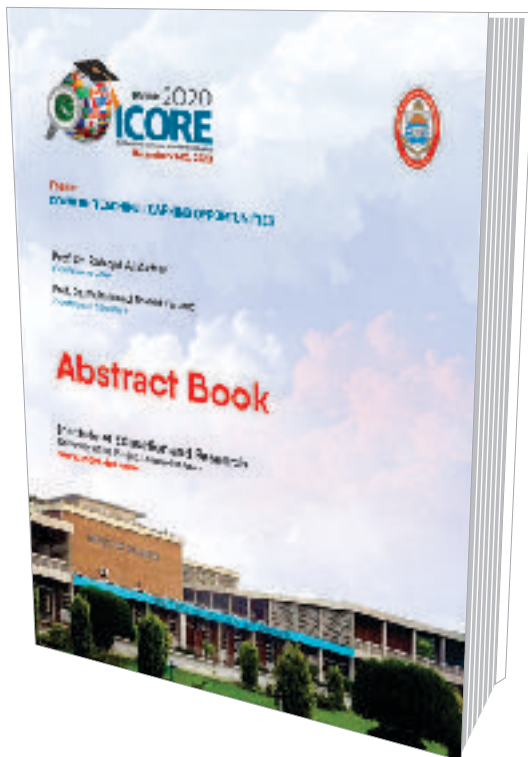


Message from the Conference Secretary

Dr. Muhammad Shahid Farooq
Associate Professor
Institute of Education and Research
University of the Punjab, Lahore-Pakistan

Quality teachers are always leading from front the struggle for improving learners' quality of learning in all times and spaces. They feel it as their prime responsibility in developing creative and innovative environment for learning. They need to remain always updated in terms of professional knowledge and skills for producing critical thinking, creativity, problem solving skills and commitment to future in young learners. In this century the advanced as well as developing nations are striving to produce quality skillful teachers in all areas and for all levels. This motivates the teachers to be engaged in self regulated continuous professional development activities for coping the 21st century challenges. Institute of Education and Research being the premier and lead institute in teacher education felt this responsibility and planned a wonderful activity for gathering international and national scholars, professionals, experts and scientists on a global platform for sharing 21st century challenges faced by teacher education. Experts from UK, USA, KSA, Hong Kong, New Zealand, Australia, Sweden, Philippines, Ireland, France, Turkey, and Pakistan will make this conference memorable by sharing their research and experiences on teacher education. Being a Conference Secretary I am heartily thankful to all international and national keynote speakers, presenters, participants, members of organizing committee and volunteers in making this event fabulous opportunity for exchange of ideas, knowledge and dialogues. I hope this event will be the breathtaking and gratifying experience for all of us. ICORE organizing committee received 236 papers and Technical committee selected 116 after rigorous blind review process. For more learning experiences seven pre and post conference workshops are arranged under the guidance of national and international resource persons. Bookfair, Art & Craft exhibition, and City tour will definitely add more in the worth, beauty and attraction of ICORE 2019. I am looking forward to welcome esteemed chief guests, international keynote speakers, national invited speakers, presenters, educators, professionals, scholars and participants for making this event memorable. I am thankful to everyone who has contributed for the success of this fantastic event.

Looking forward to see you all in this superb event and historic city of Lahore.



MESSAGE FROM THE CONFERENCE PATRON



Today, the world is crashing through a health crisis COVID-19, a pandemic which restricts humans to stay at home, limiting the movement, stopping the helm of life. Either professional or personal life, social or economic, the disease has the potential to control each community of globe. Dozens of people who are front-line workers, especially doctors, paramedical staff, scientists, protect the human lives, always on duties who affected the most and still can't stay at home. In the same way, the future of the country is in the hands of educationists, they are also dealing with challenges like uncertainty, vulnerable teaching-learning process, soared circumstances, and unpredictable communication, threaten the quality of the education sector, shaking the international agenda of Sustainable Development Goals as well as guaranteeing the education fraternity indoors. Universities, colleges, and schools are seeking another mode of education delivery. Patron's welcome, especially the University of the Punjab, responded swiftly to the pandemic crisis with the help of technology and saved the academic future of the youth by modifying teaching mode into online interventions.

Education plays a dynamic role in uplifting the nations. The quality of teaching and learning determines the goal orientation of the system. In the context of COVID-19, all nations are facing new challenges in educating learners. The intensity of these challenges is more critical in Pakistan's context. It is the need of the day to explore and explain the phenomena related to teaching and learning in current situation on the basis of sound research.

Institute of Education and Research (IER) is playing its leading role in improving the quality of teaching. In continuation to its sound traditions, IER is going to organize 8th International Conference on Research in Education. This will be a unique opportunity for researchers and practitioners to share their research work on innovative strategies, opportunities, and challenges related to teaching and learning in COVID-19 situation. This conference will also be a unique platform for local as well as international participants to discuss and present their ideas. On behalf of the University of the Punjab, I welcome all dignitaries, national and international delegates, keynote speakers, presenters, research scholars, and students to this online conference. In this conference, we can open space and, to a certain extent, time in order to engage with each other in the ideas about teaching and learning opportunities.

I appreciate the dedicated efforts of conference Co-Patron Prof. Dr. Abid Hussain Ch., Conference Chair Prof. Dr. Rafeeq Ali Akbar, Conference Secretary Prof. Dr. Muhammad Shafiq Farooq, Members of Organizing Committee and their teams for organizing this wonderful event according to the need of the day.

I am sure that the conference will be productive and resulted with sound recommendations by the local and international researchers and practitioners. All the research scholars, practitioners, policy makers and professionals will get benefit from the recommendations of this great event.

Prof. Dr. Muz Ahmad Akhtar (8)
Vice Chancellor
University of the Punjab, Lahore-Pakistan

MESSAGE FROM THE CONFERENCE CHAIR



The Zoonotic COVID-19 has shutdown human lives body. The future education systems scheme, the long-run well-being of learners, uprooting academic entrepreneurs' identities, social and economic growth agents, and intellectual capital all are affected by this virus. As educationists, it is our professional obligation and commitment to develop our educational infrastructure with rigorous digital literacy curricula and equip teachers having new teaching-learning competencies, and personal and professional attributes to deal with the mental health of learners in this deteriorated state of crisis. Consequently, as compared to the past, nowadays, there is a massive need to reinvent education into reflective pedagogical practices. A technology-based professional development is a prerequisite to digitalize our institutions from traditional face-to-face learner to lifelong sustainable virtual entities which can rapidly respond to the uncertain scenario. Teaching community is facing giant challenges such as cope-up speculative online assessment, unproductive outcomes, epidemic internet facilities and online pedagogy choice.

Education plays a fundamental contributing role in the development of a country. Teachers increase productivity and creativity among students. A blend of command on content knowledge and effectiveness of pedagogical strategies ensures the high quality teaching and learning. Multi-dimensional aspects related to effective teaching and learning remain under discussion of experts and researchers. Conferences are one of the best platform to share the research findings of experts, researchers and practitioners of different fields.

It is my great pleasure to welcome you, as Director and Conference Chair in 8th International Conference on Research in Education (ICORE 2020). This International Conference on Education fits with the mission of IER to produce quality teachers as well as improve scholarship and educational practice. In this conference, there will be a plenty of opportunities for collaboration and sharing mutual ideas related to conference theme and allied areas. We will all benefit from our combined participation at this conference.

This International Conference seeks to provide some answers and explore the processes, actions, challenges and outcomes of teaching and learning. We are also trying to build connections between local and international stakeholders to think and contribute in resolving the teaching-learning issues.

I am highly thankful to Conference Patron Prof. Dr. Muz Ahmad Akhtar, and Co-Patron Prof. Dr. Abid Hussain Ch. for their kind support and guidance. I also appreciate Conference Secretary Prof. Dr. Muhammad Shafiq Farooq and members of various Organizing Committee on rigorous efforts to make this event more successful and valuable for all stakeholders. Have a good time.

Prof. Dr. Rafeeq Ali Akbar
Director,
Institute of Education and Research
University of the Punjab, Lahore-Pakistan

MESSAGE FROM THE CONFERENCE SECRETARY



COVID-19 flashes confronted with the backdrop reflection of hybrid challenges and opportunities in the lifecycle of humankind. The world is suffering from pandemic fatigue, which raised the death toll rate, trembling economies, destroying social activities, and lifting uncertainties at the workplace, even peaking the spiritual and religious rituals. As well, the hasty escalation of pandemic has pressured the education sector and its stakeholders by disconcerting learning opportunities, disruptive psychological behaviors of students, they declines to stop dropping health problems, financial constraints to discontinue measures, and the challenge of respecting the institutions. Moreover, there is time to redefine the notion of Lifelong learning in this country and train educators accordingly. Provision of equitable and sustainable barrier free education during the COVID-19 pandemic has created the largest disruption of education systems in the history of the world. Communities are focusing on ensuring participation of students through online learning system.

By maintaining the sound tradition to promote culture of research and theory driven practices, as a Conference Secretary on behalf of the organizing committees, I welcome you at 8th International Conference on Research in Education (ICORE 2020). In view of current scenario, theme of this year conference is COVID-19: Teaching Learning Opportunities. This theme will cater all relevant aspects of teachers as well as learners. This conference will help to move forward to explore challenges regarding teaching and learning and to provide solutions to address these challenges. I am looking forward to see a large number of researchers, practitioners, field experts, and scholars to join us at 8th International Conference on Research in Education (ICORE 2020). Every year ICORE welcomes hundreds of the speakers and thousands of the participants across the country as well as from abroad. I extend warmest greetings to honorable international and national guests who are going to grace this great occasion with their valuable contributions.

It is worth appreciating that the scope of ICORE 2020 has been widened through including other areas and disciplines of Social Sciences. It will, definitely, prove a milestone in strengthening the ties among researchers from field of Social Sciences through exchange of their respective fields, collaboration with conference delegates, exploring ways of building bridges, and creating think tanks. I hope ICORE 2020 is open new avenues of research to explore teaching learning opportunities during this pandemic situation. This year conference mode will be online. For note speakers (50) for this conference have joined us from US, UK, Canada, Australia, China, Turkey, Sweden and Philippines.

On behalf of the organizing committee of ICORE 2020, I take great pride and privilege to welcome all national and international researchers in 8th International Conference on Research in Education (ICORE 2020). I have become a renowned and highly efficient forum for national and international researchers for sharing their contributions and innovations. I have great gratitude to Conference Patron Prof. Dr. Muz Ahmad Akhtar, Co-Patron Prof. Dr. Abid Hussain Ch. and Conference Chair Prof. Dr. Rafeeq Ali Akbar for their trust and kind patronage, and my worthy colleagues and students for their unprecedented cooperation in making this event a reality. I wish you all the best.

Prof. Dr. Muhammad Shafiq Farooq
Chairman, Department of Advanced Studies in Education
Institute of Education and Research,
University of the Punjab, Lahore-Pakistan



2021
ICORE
9th International Conference on Research in Education
November 16-18, 2021

MESSAGE

CONFERENCE PATRON



The globe has witnessed the merciless pandemic situation recently. The scars of COVID-19 can be seen in all walks of life. Higher education has also faced this dilemma. It gives me immense pleasure to patron this iconic conference. Institute of Education and Research (IER) has been consistent in providing opportunity for researchers worldwide to share and discuss the global academic scenarios. Nevertheless, digital technologies and then usage in these tough times has made even a common man understand the meaning of globalization. Globalization and Internationalization of Education has emerged as a need of the hour. Education sector has passed the pandemic tests with flying colors. It has come up with innovations in education starting with online classes, online assessments, designing curriculum for digital platforms to webinars, online seminars, and conferences.

The new modes of teaching have been learnt and embraced by the schools, colleges and universities to achieve the educational millennium goals. Grooming of teachers in the right direction and with the appropriate skills have been one of the factors in dragging educational organizations out of this pandemic. IER has always played its role in teachers' capacity building exceptionally well. IER is going to organize 9th International Conference on Research in Education to celebrate the intellect and expertise in the field. Stepping out of quarantine with more IT skills, scholars will share their research.

I appreciate the dedicated efforts of Conference Co-patron Prof. Dr. Abid Hussain Ch., Conference Chair Prof. Dr. Rafaqat Ali Akbar, Conference Secretary Prof. Dr. Muhammad Shahid Farooq, and members of organizing committees and their teams for organizing this wonderful event.

Prof. Dr. Niaz Ahmad Akhtar (SI)
Vice Chancellor
University of the Punjab, Lahore-Pakistan



MESSAGE

Conference Co-Patron

Intellectual approaches to education have changed with every wave of COVID-19 pandemic. Educationists have emerged prepared for new challenges. Technology has equipped all the stakeholders of education with required tools. Information and Communication Technology (ICT) has provided all the required support to organizations. Institute of Education and Research has always stepped forward for quality education. We have been keeping up the spirits high by gathering international and national researchers under ICORE 2020 umbrella even in the most difficult situations. The concept of world being a global village is marked by the current theme of 9th International Conference on Research in Education "Globalization and Internationalization of Education".

I welcome all of you and especially thank Conference Patron Prof. Dr. Niaz Ahmad Akhtar and Conference Chair Prof. Dr. Rafaqat Ali Akbar for organizing this awaited event. I also recognize the great efforts of the Conference Secretary Prof. Dr. Muhammad Shahid Farooq and members of the Conference Committees. We made history last year by arranging three days conference in severe pandemic conditions and we are looking forward to carry this legacy with grace, in times to come. I welcome you once again, have a great day.

Prof. Dr. Abid Hussain Ch.
Dean, Faculty of Education
University of the Punjab, Lahore-Pakistan

MESSAGE

CONFERENCE CHAIR



The globalization and internationalization of education is constantly stimulating our thinking paradigm. The said trend has boosted the emerging flow of ideas, values, culture, experiences, and services around the globe. Over the last eight years, International Conference on Research in Education (ICORE) is providing an ample opportunity for all of us to share intense developed experiences and enriched global exposure with each other. As a conference chair, I am sure that this platform will be very supportive in order to exchange international and global trends of education with our conference fellows. IER has been able to contribute to research and development in the field of education. The international speakers and participants have always been an important essence of this sparking event. 9th International Conference on Research in Education will also be displaying international intellectuals to share their research contributions. The recommendations of this conference can be helpful to dig out ground realities and tailoring out solutions for our local educational challenges.

It is my great pleasure to welcome you, as Director and Conference Chair in 9th International Conference on Research in Education (ICORE 2021). I am highly thankful to Conference Patron Prof. Dr. Niaz Ahmad Akhtar, and Co-Patron Prof. Dr. Abid Hussain Ch. for their kind support and guidance. I also appreciate Conference Secretary Prof. Dr. Muhammad Shahid Farooq and members of various Organizing Committees. At the end, I am really grateful to all of you to grace this blooming occasion with your presence.

Prof. Dr. Rafaqat Ali Akbar
Director
Institute of Education and Research
University of the Punjab, Lahore-Pakistan



MESSAGE

CONFERENCE SECRETARY

Globalization of education provide opportunities for sharing of intellect, human, technical, financial and material resources across the globe. It also helps international communities for exchange of knowledge, cultural values and services. Internationalization of education is to integrate all resources and services for a global purpose to accommodate masses across the boundaries. Globalization and internationalization of education is making us pace out of the worsts, caused by COVID-19 pandemic. The faced challenges are catered by the innovations in technologies. Teaching innovations and technology has been learnt and taught by Institute of Education and Research through the best practices possible. The Institute of Education and Research standing by its traditions has opened the doors for national and international scholars through 9th International Conference on Research in Education. The inclusion of academic research cultures always results fruitful. International conferences are always a positive venture for academic fraternity. ICORE has taken this lead that papers only on the conference themes are accepted. In compliance to this principle, a number of papers have been accepted for presentations under the conference themes and subthemes. International Keynote Speakers from US, UK, Sweden, Canada, Australia and Turkey are presenting in this conference. Honourable Vice Chancellors from different universities across the country are expected to speak at this august forum. A galaxy of educational administrators, experts, educationists, practitioners, professional and novice researchers are expected to attend this mega research event. We have been fortunate enough to welcome scholars from every nook of the globe.

As a Conference Secretary I have the privilege to welcome all national and international delegates in 9th International Conference on Research in Education (ICORE 2021). It has become a brand and highly dignified forum for national and international researchers for sharing their contributions and innovations. I express heartily gratitude to Conference Patron Prof. Dr. Niaz Ahmad Akhtar, Co-Patron Prof. Dr. Abid Hussain Ch., and Conference Chair Prof. Dr. Rafaqat Ali Akbar for their trust. I also thank my respected colleagues and students for their cooperation in putting this event up. Hope you will have best intellectual experience!

Prof. Dr. Muhammad Shahid Farooq
Chairman
Department of Advanced Studies in Education
Institute of Education and Research
University of the Punjab, Lahore-Pakistan

Keynote Speakers



Prof. Dr. Tim Loreman
President and Vice-Chancellor
Concordia University of Edmonton
Canada

INTERNATIONAL KEYNOTE SPEAKER

The Importance of International Research in Inclusive Education

Inclusive education is not monolithic, and while there are similarities across many international contexts, there are also stark differences in philosophies, policies, standards, expectations, and practices. There are also differences in understanding when it comes to discussions about who is to be included. In some areas the conversation is limited to disability, while in other places the scope expands to other groups to cover topics such as gender, culture, race, and religion. Given these differences, one might question the value of international research on inclusive education topics. If practices and ideas are so variable, how is international research relevant and helpful? This presentation explores this issue, highlighting that it is because of this variability, rather than in spite of it, that international research in inclusive education is so important in developing local understandings and practice.

INTERNATIONAL

KEYNOTE SPEAKER

Prof. Dr. Timothy E. Jester

School of Education,
University of Alaska Anchorage
USA



Preparing Teachers to Engage with the Global/Local Nexus: A Place-based, Culturally Responsive Approach

This presentation discusses a pedagogical strategy that aims to enhance educators' knowledge and skills for connecting their teaching to the local context as part of the global/local nexus in which schools and communities are situated. Drawing from the research on preparing educators to work in Alaska's Indigenous and culturally diverse communities, the presenter describes a project that guides inservice educators through a process of inquiry and reflection to explicate and examine their teaching contexts, identify implications of these contexts for their professional practice, and enact pedagogies that connect their students to the local while also addressing global factors. The specific project being examined guides educators enrolled in a graduate seminar on culturally responsive education through a process of inquiry into and reflection on their own teaching contexts and implications of these contexts for teaching and learning. These contexts, as approached in the project, are positioned as manifestations of the global/local nexus constructed through multiple and dynamic factors, including the teachers' own sociocultural backgrounds, the students in their classrooms, the schools where they teach, and the local communities in which they live and work. Furthermore, the project invites educators to consider how their local contexts are situated in the broader state and global contexts. The project grounds this exploration of context in professional practice by guiding the teachers in identifying, examining, and extending their pedagogies with the goal of intentionally connecting teaching and learning to the local context as part of the global/local nexus. Specifically, using the five Alaska Cultural Standards of Educators as a framework, teachers identify and describe examples from their teaching, explain how these practices are responses to the contexts where they teach, and discuss ways they can enhance their future practice based on insights gleaned from the inquiry and reflective processes.



Prof. Dr. James O' Meara

Dean, College of Education
Texas A&M International University,
Texas, USA

INTERNATIONAL
KEYNOTE SPEAKER

IMAGI-NATION {University} and Texas A&M International University: An International Educational Community for a Common Good

Rethinking Education: Towards a global common good? (UNESCO, 2015) is the fruit of the work of a Senior Experts' Group established by the Director-General of UNESCO to rethink education in a world of rapid transformation. IMAGI-NATION {University}, an initiative of the Australian Indigenous Mentoring Experience (AIME), is working in 52 countries with international educational communities like Texas A&M International University (TAMIU) to rethink and rebuild a higher education system for the collective good of humanity and the planet. Our approach involves unlocking the imagination of the human race to forge unlikely connections that lead to a different set of outcomes, a different world, a fairer world. This diverse creative community shares a common global educational agenda of inclusive and equitable learning for all. Our curriculum involves five student pathways for eliminating gender disparities in education and ensure equal access to all levels of education and vocational training for the vulnerable, including persons with disabilities, indigenous peoples and children in vulnerable situations. Participants in the TAMIU cohort learn the strategies of challenging the status quo, collaborating for a common good and consolidating for sustainable outcomes. Collectively these strategies provide a promising approach for international educational communities seeking to contribute to the common global educational agenda of inclusive and equitable learning for all.

INTERNATIONAL

KEYNOTE SPEAKER

Prof. Dr. Ayşe Aypay

Eğitim Bilimleri Bölümü,
Turkey



A Global Problem for Students Mental Health: Reward and Punishment Practices In Schools

Mental health problems affect 10–20% of children and adolescents worldwide (WHO, 2016). Schools are one of the most important contexts in the lives of children and adolescents that affect their mental health. Schools are expected to promote student mental health by providing appropriate experiences that facilitate and enrich their lives. Education is expected to nurture students with more positive attitudes towards life. However, through the education process, student experiences in schools and other contexts related to academic life may not always include appropriate experiences that facilitate and enrich their lives. Due to improper practices, schools themselves can turn into a factor that threatens the mental health of students. There has been an increase in studies that focus on conceptions such as "academic and/or school stress".

One of the most important factors in the fulfillment of the intended purpose of educational processes is that student participation in school and school-related experiences enthusiastically with internal motivation. However, both in schools and other contexts associated with academic life parents, teachers, and principals frequently resort to reward and punishment as tools to manipulate student behavior from the outside. Extensive use of a motivational approach based on reward and punishment becomes a major stress factor for students and causes some mental health problems such as school burnout, reward addiction, and sensitivity to punishment. This is one of the major global problems that education systems try to overcome.

School-related experiences turn into a major source of stress for students concerning four dimensions: difficulties with peers at school conflicts with parents and/or teachers, concerns about school success, and school pressure. Motivation practices based on reward and punishment disrupt students' relationships with their peers, parents, and teachers; as a basis for them to experience success anxiety and to feel school as an element of pressure.



Prof. Dr. Maria Tsouroufli

Director of Research
Brunel University, London
UK

INTERNATIONAL
KEYNOTE SPEAKER

Othering and Internationalization in British Higher Education

The marketization and glorification of popular discourses of internationalization discourses coupled with the non-performativity of equality badge cultures in British and certainly other HE contexts, have left little room for critical engagement with issues of equitable participation, fair educational outcomes and belonging of international students and staff. In this presentation I am particularly concerned with constructions of international students and staff as pathological others and othered, through the various exclusions and forms of violence (symbolic and epistemic) they experience in learning and research spaces and the gendered and racialized assumptions and expectations upon which such injustices are predicated and performed. Through engagement with feminist post-structuralist and post-colonial literature and empirical research on the aforementioned topics I bring to the fore and critique the instrumentalization of internationalization for neo-liberal projects of education resulting in perpetuation of global and local inequalities and hierarchies and divisions among home and international students. I call for a socially just internationalized education that critically and creatively engages with difference and diversity, does not privileges certain knowledges and individuals over others, and opens up safe spaces for intercultural dialogue, equitable participation and belonging of all students and staff.

INTERNATIONAL KEYNOTE SPEAKER

Prof. Dr. Donna Pendergast

Dean and Head, School of
Education and Professional Studies
Griffith University
Australia



Innovative Disruption as Renewal in Internationalisation Research: The journey of one School

The School of education and Professional Studies at Griffith University has a long history of engagement in internationalisation, incorporating international perspectives into the philosophy, values and practices of the school. This is embedded in research, learning and teaching, and service dimensions.

In 2020-21 the global pandemic has impacted the well-established practices that have been the vehicle for the internationalisation agenda up till that time. Because these were, in some cases abandoned, in others paused, and in every instance modified, we experienced what we now understand to be and have chosen to frame as 'innovative disruption', which has served as an opportunity for renewal of the ways of approaching internationalisation in the school. This shift is defined in the 2021-2025 Strategic Plan (School of Education and Professional Studies, 2021), which sets out the Mission Statement as follows:

To be an influential leader and innovator in the fields of teacher education, autism studies and professional learning through quality teaching, cutting-edge research and collaboration with local, national and international communities, especially the Asia-Pacific region. We aim to equip undergraduate and postgraduate students with the knowledge and skills to be future-oriented, creative and ethical global citizens.

The specific strategic goal for internationalisation is to “Authentically integrate international perspectives across our programs and activities”. A range of actions are connected to this agenda.

Innovative disruption is a powerful accelerator in education. Indeed, the pandemic has led to the acceleration of a range of shifts in education, including:

1. Digital learning transformation: Adopting new approaches in instructions, assessment and feedback
2. Agile ways of working: Harnessing new platforms, norms and routines about how we work, collaborate and communicate as professionals
3. Empowering students and community: Drawing students, parents and communities into a stronger collective partnership around learning.
4. Building relational capital: Strengthening trust and connections within and between collaborators, and reducing competition and silos.

In this presentation, the renewed conceptualization of internationalization in the School will be explored, along with a number of initiatives to operationalize this renewed space, presented from the framing of Innovative Disruption.



Alastair Creelman

E-learning Specialist, Linnaeus University
Sweden

**INTERNATIONAL
KEYNOTE SPEAKER**

Sustainable and Inclusive Online Conferences

One of the effects of the covid-19 pandemic has been the mainstream emergence of online conferences. Even if the phenomenon is far from new it was previously a niche market and the vast majority of academic conferences were on-site. Suddenly major conferences were forced to pivot to online delivery and the transition was surprisingly smooth, even if the organizers had to adapt to new formats and learn new skills almost overnight. Now that many countries are easing restrictions and allowing on-site meetings again we need to ask the question if it is wise to return to the traditional conference format. There are several reasons for a shift to online participation but given the urgency of the climate crisis large on-site events are simply not sustainable. Can we learn from the lessons of the digital transition and rethink the whole concept of the academic conference?

Many online conferences showed a marked rise in the number and diversity of participants. This was due to the fact that traditional barriers to participation were removed or lowered: no flights and hotels to book, no visas to apply for and the ability to combine the conference with other duties, as noted in Kornei (2020) and Oliver (2020). Many conferences saw a wider participation from countries that previously never sent delegates (Roos et al, 2020). The online format also offers a variety of channels such as discussion forums, chat sessions and social media enabling even asynchronous interaction, also helping to widen participation. Social sessions in breakout groups can be easily organised as can other community-building activities using the standard platforms like Zoom, Microsoft Teams and Google Meet. New platforms are being developed to offer more intuitive group work and facilitate social mingling as in an on-site event and virtual world platforms offer 3D conference spaces which participants can explore as avatars as well as meet and attend sessions.

At the same time we need to re-examine the limitations of on-site conferences, in particular their inherently exclusive character. The value of traditional events lies in the sense of community and networking opportunities they offer as well as the added benefits of being in a new and exciting location. However, these benefits are only open to those with the resources and time to participate and if we truly want to reach out to a wider group we need to make the event more affordable and convenient. Conferences are exclusive in other ways: limited accessibility for participants with handicaps, language barriers to those who do not speak fluent English, academic hierarchies that often limit delegates to senior academics, bandwidth limitations for those with poor internet access.

Online conferences can be more inclusive and there are already many tools and applications that facilitate this such as simultaneous interpretation (including sign language) and automatic captioning of video sessions. Online conferences do not need to have such packed schedules as on-site events since participants do not need to be away from their homes. One avenue being explored is to make conferences more asynchronous with only a few synchronous video sessions to attend and the rest of the time devoted to group assignments that use shared documents or working spaces and a mixture of synchronous and asynchronous work over a period of days or even weeks. A major benefit of asynchronous collaboration is that it is low on bandwidth and allows participants with limited internet access to contribute. A conference can also become a community that continues to develop after the event has officially closed and become much more diverse and inclusive than the short-term impact of an on-site event (Thomsen & Creelman, 2020 and Levine, 2020).

This does not mean that we can't meet at traditional conference venues in the future. There is of course a great symbolic value in gathering people in one place for a common experience but this should not be the default mode. If all delegates can attend without long journeys, environmental impact and high expenses then an on-site event is valuable. But alternatives must be considered, especially if the conference is international in character. Sustainability and accessibility are the key factors in all cases (Oliver 2021).

The challenges facing academic conferences can be summarised as follows:

- We cannot afford to return to the traditional model due to environmental and inclusion factors. New and more sustainable models are essential.
- There is a rapidly growing market of online meeting platforms that will make online events more collaborative and inclusive.
- The online event market is already big business and academic institutions must choose wisely among the wide range of solutions available.
- Should online conferences attempt to reproduce traditional formats or should they offer innovative formats that redefine the conference concept
- How can online conferences contribute to reducing inequalities and widening participation?

Conference Program

Conference Program
ICORE 2021
 9th International Conference on Research in Education
November 16-18, 2021
Day 1

Opening Ceremony (Venue: Faisal Auditorium)

Tuesday, November 16, 2021	
08:00-10:30	Registration and Guests to be Seated
10:30-10:35	National Anthem
10:35-10:40	Recitation of Holy Quran
10:40-10:45	Recitation of Hadith
10:45-10:50	Naat Rasul-e-Maqbool (PBUH)
10:50-10:55	Glimpses of Previous ICOREs (2014-20)
10:55-11:05	Welcome Address by Conference Chair Prof. Dr. Rafaqat Ali Akbar
11:05-11:15	Address by Conference Co-Patron Prof. Dr. Abid Hussain Chaudhary
11:15-11:30	Address by Guests of Honour
11:15-11:20	Address by Conference Patron Prof. Dr. Niaz Ahmed Akhtar
11:30-11:45	Vote of Thanks by Conference Secretary Prof. Dr. Muhammad Shahid Farooq
11:45-11:50	Souvenir Distribution
11:50-11:55	Group Photo
12:00-14:00	Prayer Break and Lunch

Plenary Sessions I (Venue: Waheed Shaheed Hall)

14:00-14:10	Welcome Note by Session Moderator Dr. Munaza Nousheen
14:10-14:35	Keynote Address Prof. Dr. Maria Tsouroufli Brunel (UK)
14:35-15:00	Keynote Address Prof. Dr. Ayse Aypay (Turkey)
15:00-15:25	Keynote Address Prof. Dr. Donna Pendergast (Australia)
15:25-15:35	Address by Guests of Honour
15:35-15:45	Discussion, Question Answer Session, and Souvenir Distribution

Day 2

Wednesday, November 17, 2021

08:00-09:30	Registration
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Plenary Sessions II (Venue: Waheed Shaheed Hall)

09:30-09:35	Welcome Note by Session Moderator Dr. Ahmad Sher Awan
09:35-09:55	Keynote Address Dr. Tim Jester (USA)
09:55-10:15	Keynote Address Prof. Dr. Tim Loreman (Canada)
10:15-10:35	Address by Guests of Honour
10:35-10:45	Discussion, Question Answer Session, and Souvenir Distribution
10:45-11:00	Tea Break and Networking

11:00-12:30	Concurrent Sessions
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12:30-14:00	Prayer Break and Lunch
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Plenary Sessions III (Venue: Waheed Shaheed Hall)

14:00-14:05	Welcome Note by Session Moderator Dr. Muhammad Akram
14:05-15:25	Keynote Address Prof. Dr. Mike Watts (UK)
14:25-14:45	Keynote Address Prof. Dr. James O' Meara (USA)
14:45-15:05	Keynote Address Alastair Creelman (Sweden)
15:05-15:25	Address by Guests of Honour
15:25-15:40	Discussion, Question Answer Session, and Souvenir Distribution

Day 3

Thursday, November 18, 2021

08:00-10:30	Registration
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Closing Ceremony (Venue: Waheed Shaheed Hall)

10:30-10:35	National Anthem
10:35-10:40	Recitation of Holy Quran
10:40-10:45	Recitation of Hadith
10:45-10:50	Naat Rasul-e-Maqbool (PBUH)
10:50-11:00	Conference Recommendations Prof. Dr. Abid Hussain Ch.
11:00-11:15	Address by Conference Chair Prof. Dr. Rafiqat Ali Akbar
11:15-11:35	Address by Guests of Honour
11:35-11:45	Address by Conference Patron Prof. Dr. Niaz Ahmed Akhtar
11:45-11:50	Closing Remarks by Conference Secretary Prof. Dr. Muhammad Shahid Farooq
11:50-11:55	Souvenir Distribution
11:55-12:00	Group Photo

Concurrent Sessions

Wednesday, November 17, 2021

Venue I: Room No. 108

Dated: 17-Nov-2021

Session Chair: Prof. Dr. Abid Hussain Ch. Moderator: Dr. Muhammad Aamir Hashmi			
Discussant: Prof. Dr. Muhammad Naseer ud Din (Kohat University of Science & Technology)			
Time	Paper ID	Title of the Papers	Presenters
11:00 to 11:25	4410	Readiness for Technology Based Learning and its Relationship with Satisfaction at University Level Amid Pandemic	Muhammad Shahid Muhammad Uzair-ul-Hassan
11:25 to 11:50	4411	Negating the Idea of Global-Inclusion, Societal Prescriptions Still Pushing Trans-Community to the Academic Periphery	Hira Tariq Dr. Aliya Khalid
11:50 to 12:15	4412	Syntactic Understanding and Vocabulary level of Primary Students and its Relationship with Urdu Reading Comprehension	Allah Yar Muhammad Uzair-ul-Hassan Muhammad Shahid
12:15 to 12:30	Question/ Answer Session, Concluding Remarks by Session Chair and Souvenir Distribution		

Venue II: Room No. 108-A

Dated: 17-Nov-2021

Session Chair: Prof. Dr. Tariq Mahmood Ch. Moderator: Dr. Muhammad Abiodullah			
Discussant: Dr. Irfan Ahmed Rind (Sukkur IBA University)			
Time	Paper ID	Title of the Papers	Presenters
11:00 to 11:25	4417	Practicing Global Professional Standards & its Relative Role on School Climate at Primary Level	Shah Faisal Nawaz Muhammad Uzair ul Hassan Muhammad Shahid
11:25 to 11:50	4418	Preparing Teachers for Sustainable Future in Pakistan	Dr. Shahid Mughal
11:50 to 12:15	4489	Globalization and COVID-19: Trends and Opportunities in Education	Dr. Rizwana Muneer Baber Khan
12:15 to 12:30	Question/ Answer Session, Concluding Remarks by Session Chair and Souvenir Distribution		

Venue III: Room No. 201**Dated: 17-Nov-2021**

Session Chair: Prof. Dr. Abdul Qayyum Ch.			Moderator: Dr. Abida Nasreen
Discussant: Prof. Dr. Khalid Khurshid (Bahauddin Zakariya University, Multan)			
Time	Paper ID	Title of the Papers	Presenters
11:00 to 11:25	4423	Effects of Digitally Blended Pedagogies on Students’ Critical Thinking at Secondary Level	Ayesha Nazir Dr. Mobeen Ul Islam
11:25 to 11:50	4478	Higher Education Faculty’s Proficiency through TPACKEA Needs Model: Global Education Lessons for Pakistan	Malik Muhammad Wali Awan Dr. Farah Naz Malahat Fuad Siddiqui
11:50 to 12:15	4430	Role of Educational Philosophy as a Teaching Driver	Muhammad Tayyab Ilyas Dr. SM Zaman
12:15 to 12:30	Question/ Answer Session, Concluding Remarks by Session Chair and Souvenir Distribution		

Venue IV: Room No. 205**Dated: 17-Nov-2021**

Session Chair: Prof. Dr. Humara Bano		Moderator: Dr. Nighat Sana Kirmani	
Discussant: Dr. Abdul Ghaffar (Abdul Wali Khan University, Mardan)			
Time	Paper ID	Title of the Papers	Presenters
11:00 to 11:25	4445	Internalization of Higher Education in the Era of Globalization: Teachers’ Perspectives	Mishal Siyab Mehwish Javed Dr. Mobeen ul Islam Dr. Ahmad Bilal
11:25 to 11:50	4446	A Road Map for the Access to and Inclusion in Education for Persons with Transgender (Gender Disorder)	Hina Fazil Sidra Anser
11:50 to 12:15	4452	Exploratory Study on Combating Global Challenges through Non-Cognitive Skills based Curriculum	Dr. Afsheen Masood Muhammad Sulman Zubana Afzal
12:15 to 12:30	Question/ Answer Session, Concluding Remarks by Session Chair and Souvenir Distribution		

Venue V: Room No. 206

Dated: 17-Nov-2021

Session Chair: Prof. Dr. Abdul Ghafoor Ch.		Moderator: Dr. Ahmad Sohail Lodhi	
Discussant: Dr. Javaid Iqbal (Ghazi University, Dera Ghazi Khan)			
Time	Paper ID	Title of the Papers	Presenters
11:00 to 11:25	4460	Impact of Globalization on Education System – A Study conducted in Pakistani Context	Dr. Safia Urooj Dr. Rizwana Muneer Dr. Wahaj Muhammad Khan
11:25 to 11:50	4461	Technology and Tpack Teaching Model Assisted Pedagogy to Enhance Elementary Students’ English Language Skills: A Study of Public School	Victoria Joseph Dr. Najmonnisa Khan
11:50 to 12:15	4485	Digital Citizenship among University Students: A Comparative Study	Rabia Aslam Syeda Iman Jillani
12:15 to 12:30	Question/ Answer Session, Concluding Remarks by Session Chair and Souvenir Distribution		

Venue VI: Room No. 222

Dated: 17-Nov-2021

Session Chair: Prof. Dr. Abdul Hameed			Moderator: Dr. Muhammad Islam
Discussant: Dr. Iqbal Ahmed (University of Malakand)			
Time	Paper ID	Title of the Papers	Presenters
11:00 to 11:20	4473	Analyzing the Role of UK aid in School Education in Pakistan	Dr. Nauman A. Abdullah Dr. Saghir Ahmad Ch. Dr. Ayesha Batool
11:20 to 11:40	4475	Challenges and Promoting Factors of Global Citizenship Education: A Qualitative Study	Samia Zaheer Dr. Saira Nudrat Misbah Shafait
11:40 to 12:10	4420 ONLINE	Tracing Transversal Global Roots in Local Education Policy: A Case of Education Management Cadre (EMC) Policy of Sindh, Pakistan	Ali Gohar Chang Dr. Sajid Ali
12:10 to 12:30	4463 ONLINE	Cooperative Learning to Gain the Benefit of Higher Education in Global Competitive Environment: Perception of Students and Teachers	Dr. Rizwana Muneer Ms. Zubia Naz
12:30 to 12:40	Question/ Answer Session, Concluding Remarks by Session Chair and Souvenir Distribution		

Venue VII: Room No. 223

Dated: 17-Nov-2021

Session Chair: Prof. Dr. Muhammad Saeed Shahid			Moderator: Dr. Farrukh Munir
Discussant: Dr. Intzar Hussain Butt (University of Education)			
Time	Paper ID	Title of the Papers	Presenters
11:00 to 11:25	4480	Effect of Globally Used Assessment Practices on Students’ Achievement in Physics at Secondary Level	Ijaz Mahmood
11:25 to 11:50	4481	Globalization and Brain Drain - Symbols of Bright Future for Students of Developing Country	Dr. Saghir Ahmad Ch. Dr. Nauman Ahmed Abdullah Dr. Ayesha Batool Prof. Dr. Manzoor Hussain Shah
11:50 to 12:15	4483	Role of Teacher Training Institutions in Promoting Education for Sustainable Development	Ghulam Muhiyiddin Solangi
12:15 to 12:30	Question/ Answer Session, Concluding Remarks by Session Chair and Souvenir Distribution		

Abstracts

Abstract ID: 4410

Readiness for Technology Based Learning and its Relationship with Satisfaction at University Level Amid Pandemic

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COVID-19 adversely affected all walks of life particularly education. Educational activities were suddenly shifted to online technology. The objectives of the study were: to measure readiness level of university students for technology-based learning and to determine its relationship with satisfaction of university students during pandemic. All social sciences departments from university of Sargodha were the population. Google form was shared to 550 students out of which 293 responded. Readiness was classified into three subcategories namely, environmental, and physical factors, students' skills for online learning and students' familiarity with essential websites and apps. Study found that majority of students were having devices to attend online classes, but they were not skilled for virtual learning. Environmental factors did not contribute to learners' readiness and majority of students were not familiar with websites and applications necessary for online mode of learning. Study also found positive correlation between learners' readiness and their satisfaction during online mode of learning. It is recommended that educational institutions may offer blended learning in post-pandemic era which lead to equip students with necessary skills, knowledge, and familiarity with relevant software. It might improve readiness of students and ultimately improve their satisfaction for online learning.

Abstract ID: 4411

Negating the Idea of Global-Inclusion, Societal Prescriptions Still Pushing Trans-Community to the Academic Periphery

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Societal innate predispositions push gender non-confirming individuals to the fringes of the society. Ironically, binary division of genders is gravely nested in minds driving the regressive mindsets to forcibly deprive trans-community from fair inclusion and the right of acquiring education. This study examined, unequal educational opportunities available for the trans-community and the role of stakeholders under the influence of societal prescriptions. Fifteen key-informants from public/private institutions were interviewed about the factors responsible for this unjust provision. Results revealed that the plight of trans-community begins and ends with the state's Education Policy which isn't sensitively drafted hence, merely entailing any provisions for this community, leaving them thoroughly handcuffed. Alongside, the findings of a focus group conducted with trans-persons uncovered that, due to the absence of necessary statutory measures and fear of being ridiculed/harassed they prefer not to attend unfriendly institutions. The results suggest that the state should wholly enable and empower all its citizens equally to help them attain maximum potential while strictly abiding by the idea of global inclusion. Trans-community should be provided with their entitled educational rights as no one should be deprived of equal opportunities merely because of the way they are living.

Abstract ID: 4412

Syntactic Understanding and Vocabulary level of Primary Students and its Relationship with Urdu Reading Comprehension

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Language is highly important, and it is fact that students can learn better in their mother tongue. Current study targeted national language which is although not a mother tongue of majority population in Punjab but preferred to be a medium of instruction. The objective of the study was to determine relationship of vocabulary and syntactic familiarity with reading comprehension. Correlational research design was used. Sample of 275 students was selected through convenience sampling from grade 5 students. A test of fifty marks was developed and conducted. Students were categorized against four levels of achievement namely poor, average, above average, and good. It was found that 52% of the students were not having 'good' level of the vocabulary and 45% were not having 'good' level of syntactic knowledge. Furthermore, the correlation of vocabulary was positive at .57 and syntax was also positive at .71. Current study aroused a question that if Pakistan is still much behind in achieving good language skills even in national language at primary level, then how globalization will be achieved in education? Study recommended that it is necessary to focus on vocabulary and syntactic knowledge because it contributes positively in the development of Urdu reading comprehension.

Abstract ID: 4417

Practicing Global Professional Standards & Its Relative Role on School Climate at Primary Level

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World has become a global village and cultural amalgamation is affecting each and every aspect of life. Study targeted school climate and its relation with global professional standards among primary school teachers in Pakistan. An exploratory design was used with qualitative data to achieve desired objective. The researchers used thematic analysis for the purpose of analyzing data. The population for this study comprised all public sector primary school teachers, and parents from district Sargodha Punjab. An interview protocol was developed as a research instrument and by using purposive sampling technique data was collected from 15 teachers and 15 parents. After analysis of data, it was concluded that majority of the primary school teachers was not practicing professional standards and this situation was ultimately putting adverse effect upon school climate. On the basis of this conclusion, it was recommended that school climate of our primary schools need to be improved by developing professionalism among teachers. Professionalism can be improved by in service training, professional course, up-gradation and making the teaching profession more attractive in the job market.

Abstract ID: 4418

Preparing Teachers for Sustainable Future in Pakistan

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Education for Sustainable Development (ESD) aims at preparing students to be the part of eco-system and acquire necessary knowledge, skills and attitude towards attainment of sustainable future. While Pakistan is a signatory of international conventions and protocols on environment and development, the existing teacher education programs seldom focus on the emerging environmental issues of Pakistan such as environmental degradation, deforestations, desertification, and strategies to combat over population, urbanization and climate change. Recent academic literature reported that there is an urgent need for incorporating education for sustainable development in teacher education of Pakistan. Hence, this study addresses the aforementioned challenges with the help of following objectives: To analyse contents, modalities of existing teachers' pre-service and in-service (continuous professional development) Programs with reference to the promotion of environmental sustainability, To devise strategies and propose a framework that prepare teachers for sustainable future, To analyse challenges that teacher education institutions face in meeting the targets of UN Sustainable Development Goals (SDGs).

Abstract ID: 4420

Tracing Transversal Global Roots in Local Education Policy: A Case of Education Management Cadre (EMC) Policy of Sindh, Pakistan

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The education policy formation and implementation in Pakistan are linked to various global ideologies and policies, including performance-based management and accountability, good governance, Real-Time Monitoring (RTM), decent realisation, etc. These global policies and ideologies seep into local policies not as packages but in bits and pieces through international organizations like World Bank, UNESCO, USAID, etc. However, the global policies do not simply land from global to local space uncontested. It interacts with local dynamics and is shaped by this interplay between global and local contextual realities. In connection, this paper looks at the implementation of the Education Management Cadre (EMC) policy launched in Sindh province in 2014 to improve educational governance. It represents what is generally regarded as New Public Management (NPM) policy that emphasizes achieving efficient and effective outcomes using practices followed in the private sector. The paper comes from larger research that looks at the implementation of EMC policy. Here, we present the analysis pertaining to documents and selected interviews that help us understand the global-local dynamics in policy formulation and implementation. The document analysis reveals that the financial support for introducing EMC policy came from the World Bank. However, once the initial policy was launched, it faced multiple contestations at various levels, including within the department, the streets, and the judiciary. We observe that through these contestations over the last seven years, the policy has undergone multiple changes, and the original shape is mutated into a new form different from initial intentions. The paper argues that it is futile to seek a robotic implementation when a policy arrives from a global to a local context. It gets mutated and hybridised. Thus, policy success cannot be determined by its full and unhindered implementation but rather by its hybrid achievement. Keeping in view the global principles, the hybrid success suggests localised modification along with clear implementation strategies and allocation of resources for successful policy implementation.

Abstract ID: 4423

Effects of Digitally Blended Pedagogies on Students' Critical Thinking at Secondary Level

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The advent of information technology in every aspect of individuals' life permanently influences the ways in which we live. Today's technological intensity has dramatically changed the ways of knowledge production and information sharing in educational circles. When any nation needs to shape their future generations' way of thinking, they give importance to develop the information use behaviors in their educational aspects includes curriculum, methodology and assessment. After the realization of these objectives there is great need to improve one's knowledge and skills about digital tools in all educational areas. The current proliferation in the field of technology during this digital era provokes individuals in such situations that demands to utilize their involvements whether it belongs to one's thinking and technical abilities or groups' sociological skills to achieve educational goals effectively in digital environment. Having these digitally blended pedagogies demands more than just to use any software or to operate a digital device but it is the blend or mixture of face to face and online teaching, this scheme or style of teaching has the potential to renovate whole teaching learning method form development of learning objectives to teaching learning outcomes. The main objective of the study was to investigate the effects of digitally blended learning pedagogies on students' critical thinking abilities in Biology at secondary level. The study was descriptive in nature and survey method was used to diagnose the objectives of the study. All the secondary school students were the target population of the study. Two stage random sampling technique was used for the selection of sample. 800 students (400 boys and 400 girls) were randomly selected as sample of the study. Two instruments QDBP (Questionnaire about digitally blended pedagogies) and QCTA (Questionnaire about Critical Thinking Abilities) were developed to collect the data. Data was analyzed by using descriptive (Frequency, Mean and standard deviation) as well as inferential (correlation and ANOVA) statistics. Overall comparison shows positive correlation between Digitally Blended Learning and students' Critical Thinking Ability. On the basis of conclusions, it was recommended that Punjab Textbook Board and curriculum wing may introduce syllabus focused on the use of digital media in teaching and learning. The head of institutions and teachers may provide training based on digitally blended pedagogies for better learning outcomes and development of positive attitude among students.

Abstract ID: 4430

Role of Educational Philosophy as a Teaching Driver

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This study intends to determine teachers' philosophical beliefs about teaching and their classroom practices in the light of global educational theories i.e. Perennialist, Essentialist, Reconstructionist, and Progressivist. Its major focus is to determine the relationship between teachers' philosophical beliefs and their classroom practices. The study is descriptive and a survey method was used to collect the data. The population of the study consists of all primary and elementary school teachers working in tehsil Wazirabad of District Gujranwala, Pakistan. Stratified random sampling was used through which 151 teachers, 93 female and 58 male were selected. The researcher developed two instruments i.e. Teachers' Philosophical Beliefs Inventory (TPBI) and the Teachers' Classroom Practices Observation Checklist (TCPOCL). Frequency, percentage, mean and standard deviation were used as descriptive statistics while Chi-square correlation was applied to find out the association between teachers' philosophical beliefs about teaching and their classroom instructional practices. Results of the study revealed that the majority of teachers prefer philosophical beliefs having an orientation in Progressivism and Perennialism. This research also found that most school teachers are practicing Essentialist classroom instructional practices during their classroom interaction with students.

Abstract ID: 4445

Internationalization of Higher Education in the Era of Globalization: Teachers' Perspectives

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Globalization and internalization are increasingly popular words in current higher education research. This study was conducted to find out the meaning of internalization of higher education and globalization from the perspectives of teachers. The mixed-methods approach is applied in this study. In mixed methods, sequential exploratory design was used to collect data. In this design quantitative data builds on the results of qualitative data analysis. Teachers at the University of Gujrat were taken as the target population. Multi-stage sampling was used to select the sample. First, the university was taken as a cluster. Secondly, the population of the study will be divided into two strata male and female teachers at the University of Gujrat. Thirdly, 10% of teachers were selected from both strata randomly. For interviews, 10 participants were selected from both strata. Two instruments were used to collect data. i.e., semi-structured interview and questionnaire. Instruments were validated by getting experts' opinions. Field testing was done for reliability. Cronbach Alpha gave a value of 0.87 showed that the instrument is reliable. Thematic analysis was done for qualitative data. For quantitative data, mean, standard deviation, and Pearson r' were done through SPSS (v24). The findings of this study show that globalization has led to new changes in the internationalization of higher education. Going from political to economic goals, nationalism gives way to global citizenship, culture based on identifiable groupings rather than physical locations. And there is a positive correlation between globalization and the internationalization of higher education.

Abstract ID: 4446

A Road Map for the Access to and Inclusion in Education for Persons with Transgender (Gender Disorder)

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It is not possible to achieve equality in society without the inclusion of the marginalized sector of society. The third gender, also is well-known as Khwaja Sira in South East Asia, is a chromosomal genetic disorder when a male child is born with an extra X chromosome, also known as 47XXY. This research project was designed to examine school principals' views on the barriers in access to education for persons with transgender and the perceptions of persons with transgender to get admission in regular schools of Pakistan. This project's objective was to develop a road map for access to and inclusion in education for persons with transgender in the educational institute of Province Punjab. A quantitative research design was used to conduct this study. The researchers developed two separate questionnaires for school principals and persons with transgender. 150 school principals were selected from regular and special schools of government and private sectors using a random sampling technique. 100 transgender persons were chosen for the survey by using a cluster sampling method. Key findings revealed that the attitudinal barrier is still a significant barrier in access to educational opportunities perceived by school principals (mean=15.92) and persons with transgender (mean=24.93). Based on the research conclusion, a road map was developed in the project, which suggests guidelines to stakeholders for accessible education for persons with transgender.

Abstract ID: 4452

Exploratory Study on Combating Global Challenges through Non-Cognitive Skills based Curriculum

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This research explored the non-cognitive skills and technological skills to compete with challenges of globalized world. This is expected that young people are expected to have critical thinking and communication abilities, such as collaboration and technological skills in order to face modern world challenges. These pivotal skills are critically imperative to equip youth to participate in international environment in competitive ways. However, due to a lack of early childhood education, youths in Pakistan carry less innovativeness and competency. This study targeted through exploratory research to discover an ethical culture that enhances early childhood grooming by using the concept of local wisdom. This research was conducted in one of the Indigenous communities in Rawalpindi, and Islamabad. The qualitative approach used the descriptive method and revealed the consciousness of the Indigenous people to engage in cultural practices by preparing their children to become conscientious citizens as well as being productive and informed global members to compete with technological enriched world. The results revealed that the community has not been implemented efficacious in early childhood education. Since there are slogans of single national curriculum, the concern must be to prepare youths who actively engage as global citizens. Findings established that on hand training workshops on non-cognitive social skills such as compassion, resilience, emotions regulation, life-orientation can help in equipping youth's repertoire. The implementation of this study can be applied not only to children in Pakistan but also to children all over the world.

Abstract ID: 4460

Impact of Globalization on Education System – A Study conducted in Pakistani Context

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The broad phenomenon of globalization has been revolutionizing people, their activities, life styles and businesses across the globe (Welmond, 2002). It is the process of modernization that has been diminishing the borders among the countries, creating a global village where geographical distance is no longer capable of creating any communication or knowledge transfer gap among people. The research study specifically focuses on Pakistan to find out the changes brought by globalization on its education system. The research study aims to examine the impact of globalization on the Education system. The research study is based on qualitative approach and relies upon secondary sources of information to conduct the analysis of the selected topic. It is found useful to review and examine the related available literature around the topic to have detailed insight of the issue. The study reveals that the process of globalization has resulted in easy and swift transfer of knowledge and skills from one place to another due to which the education systems have also refined. It is also found that in Pakistan globalization has increased the popularity of English language whereas the trend of commercialization and international collaboration through affiliated programs and study tours have also increased.

Abstract ID: 4461

Technology and Tpack Teaching Model Assisted Pedagogy to Enhance Elementary Students' English Language Skills: A Study of Public School

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This study was conducted to explore the effects technology and TPACK model pedagogy to enhance elementary students English Language skills in public schools of Karachi. Population of the study samples comprised of ninety grade VIII students from a public school in Karachi. Quasi experimental method was applied to obtain the results of the study. English reading rubrics and teacher made writing test was used. A series of 6 training sessions on what and how to teach through TPACK teaching model was conducted for the English Language subject teachers for the intervention. Ninety students were equated forty five each in experimental and the control group. A base line English reading and writing skills pre-test was administered for all ninety students before commencing the intervention. Twelve weeks of treatment was given to the experimental group students by teaching through TPACK model using technology such as videos, multimedia presentations, online grammar games and few language apps while the control group students were taught through lecture method of teaching. At the end of the twelfth week, a post test was administered to compare the mean score of English reading and writing skills of both group students with subscales such as reading phonetics, reading fluency, reading vocabulary, reading expression, , writing spellings, writing punctuations, writing plurals, writing sentences, arranging the jumbled words to form correct sentences and writing paragraph. The experimental group students outperformed the control group students and the tests were statistically significant in all ten of the components of reading and writing skills. Both the English Language subject teachers who taught the experiment group students admitted teaching through TPACK model enhanced the students' English language skills but also made leaning interesting, exciting, enhanced curiosity and critical thinking skills among the learners and at the same time boosted teachers' technological, time management, classroom management and research skills and brought possible encouragements from parents. The researcher suggested TPACK teaching model should be added in the national curriculum as one of the teaching methods and necessary trainings, professional development assistance should be given to teachers. Future researches in pure qualitative methods in public schools, comparative studies between public and private schools, matriculations and Cambridge schools are recommended.

Abstract ID: 4463

Cooperative learning to Gain the Benefit of Higher Education in Global Competitive Environment: Perception of Students and Teachers

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In the present era of globalization, higher education is considered a producer of human capital for social and economic development. Researchers assorted many benefits of higher education i.e. social or non-economic benefit (Menges & Austin, 2001), social or private benefits (Hansen, 2011; Lagemann et al., 2012), economic and non-monetary benefits (Brennan et al., 2013), sustainable benefit (Leal Filho, 2015). The researches mainly contribute to inculcating applied skills, such as problem-solving, communication, critical thinking, and creativity in the individual at a higher education level. Globally, there is vast literature available on the impact and outcome of the cooperative learning approach at all levels of education. This research aims to analyze the impact of cooperative learning in higher education to gain critical thinking and interpersonal communication skills. These skills are vital to face global challenges. The quantitative survey method was used to conduct the study. Further, the population of the study was the public and private sector universities of Karachi having programs of education. 175 students and 58 teachers were selected through stratified random sampling. 5 Likert scale questionnaire was used to collect data. Data was analyzed by using regression analysis through SPSS. The finding from the perception of both students and teachers reveals that cooperative learning has a sensible impact on the critical thinking and interpersonal skills of students at higher education. Hence, it can be concluded that cooperative learning is the preferable approach in higher education to gain benefits that prepare individuals to face global challenges.

Abstract ID: 4473

Analyzing the Role of UK aid in School Education in Pakistan

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UK aid has been aiding the school education system of Pakistan for decades. There are plentiful reform programmes that UK aid has initiated to bridge the education gaps of Pakistan. Despite incessant efforts and magnanimous funding, the education indicators of Pakistan are not very optimistic. Therefore, this study is planned to analyze the role of UK aid in school education in Pakistan. For that purpose, an evaluative case study research design was used to evaluate the role of UK aid. The qualitative research approach included semi-structured interviews from the recipients and document analysis to critically review the donor's perspective. Five programmes- three ongoing and two in post-completion were selected to study UK aid as a case in this research. Following strict ethical guidelines, a thematic analysis was used to analyze the interviews and document analysis was used to analyze the published formal documents of UK aid. After evaluating the selected programmes and comparing their outcomes with education indicators of Pakistan, contextual discussion points were raised. Recommendations were given to enhance the effectiveness and utility of the UK aid that might be beneficial to both Pakistan and UK aid.

Abstract ID: 4475

Challenges and Promoting Factors of Global Citizenship Education: A Qualitative Study

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The world has become a global village. The international community is looking for a platform to educate the global societies to handle future challenges. It is necessary to know the concept of global citizenship education in developing countries to avail multiple opportunities for contribution in global citizenship education. This study aims to investigate the challenges and promoting factors of global citizenship education. A qualitative study method of research was adopted in this study by taking 20 in-depth interviews from qualified professionals from different Universities and those working at the international level—relevant analytical techniques for validating various generated themes from the transcribed data. Coding nodes, word tree, word tag clouds and tree maps were generated. The perspectives of the respondents were analyzed to identify the challenges and promoting factors toward global citizenship education. The study gives findings of the thematic analysis of the transcribed interviews. However, professionals have encountered few challenges to implementing Global Citizenship Education in higher education institutions. Such as inadequate environment, no provision in education policy to teach it as a subject, and lack of training regarding GCE to aware people for global citizenship education. In order to promote GCE in Pakistan, the government needs to start a program of Awareness for Global Citizenship education. To promote GCE government may use the road map of the United States America, UK, Canadian, or may use material and support provided by the Qualifications and Curriculum Development Agency (QCA) for executing GCE.

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Higher Education Faculty's Proficiency through TPACKEA Needs Model: Global Education Lessons for Pakistan

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Educators and learners have largely been obstructed by non-mitigating circumstances worldwide (Khalili & Xyrichis, 2020; Osman, 2020; Yang, 2020). Focus on 21st century education provided further significance to the role of teacher development. In the current century, it is requisite to work on the betterment of the teaching and learning process. The need for configuring what is needed by the teachers to perform exceptionally well is still pertinent (Darling-Hammond, 2006). Technological, Pedagogical, Content Knowledge (TPACK) model of teacher training and development (Gur & Karamete, 2015). In higher education institutions (HEIs) pertaining to Lahore, Pakistan; a huge research gap was identified whereby literature was close to non-existent with respect to TPACKEA needs model. Researchers wanted to find answers to questions; to what extent higher education faculty fulfils the components of TPACKEA needs model? What are the perceptions of university learners about the proficiency of higher education faculty? How effectively higher education faculty produces 21st century professionals? A quantitative study was conducted whereby utilizing TPACKEA needs model through which an instrument was developed with factors comprising of Technology, Pedagogy, Content, Ethics and Needs Accomplishment. SPSS was utilized for descriptive and inferential statistics. Results showed that learners responded with minimum satisfaction to faculty's proficiency in technological and content knowledge whereas opposite was the case in faculty's responses. The study proposed policy resolutions for HEIs in Lahore, Pakistan; to inculcate advance technological and content knowledge in faculty whereby administering licensing for faculty, with validity for a short time-period and re-issuance over a period of time based on a holistic exam. Foreign exposure in terms of post-doctorate and visiting research scholar proposals were recommended to further prepare faculty to transform graduates in to 21st century professionals.

Abstract ID: 4480

Effect of Globally Used Assessment Practices on Students' Achievement in Physics at Secondary Level

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Globalization is the process of flow of ideas from developed countries. In the teaching learning process the assessment has a pivotal rule. In the classroom teaching the assessment has a dominant (Davies, 2006). Educational researches point out that assessment aims to help student learning and empower students to become active learner. They become responsible and reflective practitioners for improving the quality of learning. Assessment provides prescribed accountability and certification of knowledge (Orsmond, Merry & Reiling 2000; Wen, Tsai & Chang, 2006). Peer assessment is a type of assessment which is fundamentally a collaborative assessment practice. It is based on interpersonal variables. It plays a considerable role in shaping quality of assessment (Strijbos and Wichmann 2018). Peer assessment may increase the communication ability of students. The feedback by students may also increase, as peer uses similar and more reachable language. The negative approaches of being assessed by an authority also decrease (Liu et al. 2016). The research by Liu et al, shows that peer assessment is globally used. The main purpose of this study was to see the effect of peer assessment in knowledge domain. In Pakistani classroom student mostly plays a role of passive partner. Many researchers identified this problem. The education policy of 2017 also identified this problem. Under the guideline of this policy the effect of peer assessment may be found. In this study pre-test post-test equivalent group will be used. The tool of the study will be the achievement test. The data of the study will be the marks in the achievement test. The student of experimental group will receive the treatment. The analysis of data will be done by using t test. On the basis of analysis the recommendation will be suggested.

Abstract ID: 4481

Globalization and Brain Drain - Symbols of Bright Future for Students of Developing Country

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In global world, brain drain pertains to the migration of intellectual, well-educated persons in hopes of good income or working conditions, and resulting in the loss of competent people, or brains, in their home countries. The main purpose of this study was to find out the globalization and brain drain symbols of bright future for students of Pakistan. The study was qualitative in nature. Population of the study was consisted of all the public university students from Pakistan. A purposive sampling technique was used to select sample. Total sample for the study was forty four students. Data were collected through semi structured interviews. The interviews were analyzed by coding and explored themes for thematic analysis. The study finding shows that a group of students want to go abroad for seeking better opportunities to get job. It is also revealed that in Pakistan they have limited opportunities to secure career that's why they prefer to go abroad for their bright future. The government needs to provide better basic necessities especially job opportunities to the people and control brain drain of skilled talented brains.

Abstract ID: 4483

Role of Teacher Training Institutions in Promoting Education for Sustainable Development

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Education is a vital element of change in relation to changing lifestyles, attitudes and behaviors. The role of education in the pursuit of Sustainable Development is important. The United Nations Conference on Environment and Development (1987) used the term Sustainable Development. According to the UN Commission (known as the Brundtland Commission) Sustainable Development is “development that meets the needs of the present generation without compromising the needs of the next generation.” Sustainable Development addresses environmental issues and its solution from a broader perspective. It looks at social, political, cultural, and economic factors. The United Nations has declared 2005-2014 the decade of Education for Sustainable Development. Since Kyoto's 1993 declaration of Sustainable Development, the role of higher education has been crucial. The recent trend of declining natural resources, energy, water and food problems, has escalated and challenged the role of teacher education institutions (TTIs). TTIs face challenges in terms of capacity and resources. There is need to develop the capacity of teacher educators in discussing ESD related concepts in five point framework i.e. knowledge, understanding, participation, attitude and action.

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Digital Citizenship among University Students: A Comparative Study

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In the digital era, the frequent use of digital technologies has made the world interconnected. The web-based networking environments allow people to adopt new perspectives toward the self and for others. It has also changed the ways humans think, the ways people communicate with others, and the ways they participate in society. The purpose of this study was to measure digital citizenship among university students. A quantitative approach with a causal-comparative research design was used. Digital citizenship was measured by four constructs i.e. digital citizenship, digital ethics, media and information literacy, engagement and participation, critical resistance. 1479 university students took part in the study. It was found that male students are better than female students in digital citizenship and digital ethics whereas, in media and Information literacy, participation/engagement, and critical resistance male and female students had the same attitude. It was also found that the digital ethics, media and information literacy, critical resistance of public and private universities have the same attitude whereas private universities are better in digital citizenship and participation/engagement rather than public universities. Based on the findings, it is recommended to investigate the mediating role of participants' observed behavior with different cultural backgrounds.

Abstract ID: 4489

Globalization and COVID-19: Trends and Opportunities in Education

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The world is galloping ahead with its supersonic pace over the platform of globalization. The term globalization has revolutionized every existing field of this universe and world has become a global village where everything is at our fingertips. Furthermore covid-19 pandemic has accelerated the globalization process with the assistance of educational technology. It is a roll of thumb that people are always reluctant to accept and adopt the change as an opportunity. The purpose of this study is to find out the striking depth of Corona-19 pandemic as an opportunity for well prepared and highly skilled teachers and tutors globally with the use of qualitative research methodology. The major findings of this research are that globalization has set the trend of online education as a primary and alternative source of learning in comfort zone. Now a days transportation and security are the major barrier of educational development especially in Pakistan in contrast to rest of the world. Study and evaluation revealed that recent pandemic was problem for pessimist crowd of educational sector while opportunity and thunderstorm for optimistic and challenging educationalist to stand out in the crowd. The research also suggests that investment in communication and information technology (ICT) is mandatory to excel in changing dynamics of educational process. Precisely Globalization has universally reformed the trend of education. It can be evaluated that covid-19 has set the trend in teaching-learning process over the cutting-edge skills like never before.

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