

Date: 12-9-2020.

# Ilham Ali Shalabi



## **PERSONAL INFORMATION**

Title: Academic staff member

Academic Rank: Professor

Date & Place of Birth: Kuwait (9-3-1966)

Nationality: Jordanian

Address: Jordan-Amman-Marj alhamam

Phone No.:00962799440693

e-mail:Eshalabi@meu.edu.jo

# **A**CADEMIC QUALIFICATIONS

Degree	Major	Duration (From-To)	University	Country
Ph.D.	Curriculum& instruction	2002-2005	Jordanian University	Jordan
M.Sc.	Science Teaching Methods	1992-1995	Jordanian University	Jordan
B.Sc.	Zoology- Biology	1984-1988	Kuwait University	Kuwait









## **TEACHING EXPERIENCE**

Duration	Rank	Institution	Department/Faculty	Country
Staff member	Professor	MEU: Middle East University	Educational sciences: Administration & Curriculum	Jordan
Staff member	Professor& Associate Prof	Al-Imam Mohammad Ibn Saud Islamic University	Social sciences : Curriculum & Instruction	KSA
Staff member	Associate Prof Assistant Prof	FESA: Faculty of Educational & Arts UNRWA- Jordan	Educational sciences: Curriculum & Instruction	Jordan

## **OTHER EXPERIENCE**

Duration	Rank	Institution	Department/Faculty	Country
Lab Supervisor		Petra University	Biology-Science Faculty	Jordan
School Principle		UNRWA	UNRWA-schools	Jordan
Science Teacher		UNRWA	UNRWA-schools	Jordan
(intermediate) Biology teacher (secondary		Ministry of Education	Schools	Kuwait









# **PUBLICATIONS**

# **JOURNALS**

Author/s Title Vol./No. Journal **Publication Date** (In Order)

	Research / Book Title	Publisher	Year
Ayman Mohamed Ali 1 Ilham Ali Shalabi 2	The Effect Of The Flipped Classroom Strategy On The Development Of Grammatical Skills Among The Second Intermediate Grade Female Students In (Anbar Governorate / Iraq	Journal of critical reviews (JCR)	2020 Was accepted for publicati
Ilham Ali Shalabi & Shatha Alkhalefa	The level of scientific thinking and mathematical thinking skills among elementary school students	Arab Journal of Sciences & Research,1 (3) 129-117	on 2017
Ilham Ali Shalabi	The Effectiveness of Using Flipped Classroom Strategy Program in the Development of Evaluation Competencies and Habits of Mind for the Student- Teacher in Imam Muhammed Ibn Saud Islamic University.	Jordan Journal of Educational Sciences, 13(1) 61-80	2017
Ilham Ali Shalabi & Mariam Kreri	The effectiveness of the six hats strategy in the conceptual understanding of the issues of bioethical development of the female students in the third grade secondary in Riyadh	Arab Journal of Sciences & Research Publishing,1 (3)20-12	2017
Ilham Ali Shalabi	The Effectiveness of Using Mind Maps in Improving Brain Hemispheres (right, left & whole) Skills and attitudes towards Self-directed Learning on Undergraduate Female Students in Imam Muhammad Bin Saud Islamic University	Hebron University Research Journal, 11(1)1- 28	2016
Ilham Ali Shalabi	Effectiveness of Program According to Six Thinking Hats in Understanding Bioethical Issues and Development of Critical Thinking Skills of 12th Grade Female Students in Riyadh	Journal of Science Education, 18(4) 4113-181	2015
Ilham Ali Shalabi& Huda Alomari	Impact of Using Six Thinking Hats Method in Science on Achievement and Development of Critical Thinking Skills of Eight Grade Female Students in Riyadh	Journal of Studies in the curriculum and teaching methods,1(210) 77- 116	2015







Ilham Ali Shalabi	Scientific Thinking Skills included in the first three elementary stage science textbooks in Jordan: An analytical and evaluative study.	Zarqa Journal for Research and Studies in Humanities, 14 (2) 50-66	2014
Ilham Ali Shalabi	Learning Outcomes of Project-Based Science Instruction	Egyptian Association for Reading and Literacy, (150),3-24	2014
Ilham Ali Shalabi& Ferial abu Awwad	Relationship between prior Knowledge, Reading Comprehension Strategies, and Reading Comprehension on Reading Comprehension of Scientific Texts for Ninth Grade Students.	The Educational Journal, 27(3) 4341-374.	2013
Ferial abu Awwad& Ilham Ali Shalabi 2	The effect of a portfolio strategy on constructing the 3rd grade student's scientific concepts.	Journal of Humanities and Social Studies, (30) 493-136.	2013
Intesar asha& Ilham Ali Shalabi 2	The Impact of Active Learning Strategies in the Development of Self-Efficacy and Academic Achievement among ESF Students of UNRWA	Damascus University Journal 28 (1) 6519-542	2012
Ilham Ali Shalabi 1	The Impact of Project – Based science Instruction (PBSI) on Achievement and Confidence in Academic Study of Educational Sciences Faculty Students/ UNRWA	The Educational Journal 26(101), 29-49	2011
Ilham Ali Shalabi 1	The Effect of a Training Program on Acquiring Scientific Thinking Skills and Practicing Them in Classroom by Students of Class Teacher Specialization	Arab Universities Journal (58) 309-339	2011
Osama abed& Ilham Ali Shalabi 2	Analogies Included in Elementary Stage Science Textbooks in Jordan: An Analytical and Evaluative Study	University of Sharjah Journal 7(3) 209-240.	2010
Ilham Ali Shalabi 1	The Impact of Using Concept Mapping Strategy on Scientific Concepts' Achievement, Achievement Motive and Creative Thinking Ability of Ninth Grade Students in Biology	Journal of Educational & Psychological Sciences 11(2) 417-150	2010
Iman Abed, Intesar Asha, Ferial abu Awwad& Ilham Ali Shalabi 4	The Effect of Active Learning on Developing of Mathematical Thinking and Attitudes toward Mathematics	Irbid Journal for Research and Studies 13(2) 4163-202	2010
Ilham Ali Shalabi	The Effect of TQM in Teacher Professional Development Programmes (The Experiment of UNRWA – Jordan)	Damascus University Journal 26(4) '437-484	2010







	Zarqa Journal	2010
The impact of active learning strategies on the	for Research and	
1	Studies in	
learning motivation among FES students	Humanities	
of UNRWA	10(1) ,23-51.	
The Impact of Using Cognitive Aesthetics on	An – Najah	2009
Creative Thinking of Faculty of Educational	University	
Sciences Students / UNRWA	Journal for	
	Research	
	23(3),685-706	
The Effect of Teaching Science Using Multiple	University of	2009
Intelligence Strategies to Develop Third Grade	Sharjah Journal	
Pupils, Scientific Reasoning and Achievement	,6 <b>(</b> 2) 215-244	
School as Focus for Development Facilitates	Student /	2009
the Professional development of Female	Teacher Journal	
Science Teachers as Reflective Practitioners.	for Research &	
	Studies.	
	1(2),123-151	
	Arab journal of	2008
The impact of 5E's structural model in the		
development of the basic science processes of	28(1) 458-90	
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SCIENCE		
	development of decision-making skills and learning motivation among FES students of UNRWA  The Impact of Using Cognitive Aesthetics on Creative Thinking of Faculty of Educational Sciences Students / UNRWA  The Effect of Teaching Science Using Multiple Intelligence Strategies to Develop Third Grade Pupils, Scientific Reasoning and Achievement School as Focus for Development Facilitates the Professional development of Female Science Teachers as Reflective Practitioners.	The impact of active learning strategies on the development of decision-making skills and learning motivation among FES students of UNRWA  The Impact of Using Cognitive Aesthetics on Creative Thinking of Faculty of Educational Sciences Students / UNRWA  The Effect of Teaching Science Using Multiple Intelligence Strategies to Develop Third Grade Pupils, Scientific Reasoning and Achievement  School as Focus for Development Facilitates the Professional development of Female Science Teachers as Reflective Practitioners.  The impact of 5E's structural model in the development of the basic science processes of third grade students and their attitudes toward  for Research and Studies in Humanities 10(1),23-51.  An – Najah University Journal for Research 23(3),685-706  University Sharjah Journal 50 Sharjah Journal 50 Female 50 Student / Teacher Journal 50 Female 50 Female 60 Studies. 1(2),123-151 Arab journal of 60 education 28(1) 458-90

## **C**ONFERENCES

Author/s	Title	Conference	Country	Date
(In Order)			,	

② Participation in the Education Quality Improvement Conference held by the Ministry of Education- Jordan in cooperation with the Ministry of International Development, United Kingdom (5-7 November 2006) with a working paper.

② Al-Shalabi, Elham (July 2007) The First Scientific Conference for Educational Development in the Arab World (Jump To Quality) Working Paper (The Impact of Total Quality on Professional Development Programs for Teachers) Radson Hotel SAS from 16 to 17/7/2007, Amman, Jordan. Organizing Committee for the Scientific Day "Towards a Creative Education for the Teacher Student", College of Educational Sciences and Arts, May 23, 2007

Воокѕ				
Author/s (In Order)	Title	Publisher	Edition	Date















## MEMBERSHIPS OF SCIENTIFIC AND PROFESSIONAL SOCIETIES

Member of the Psychological Association - University of Jordan

Member of the Jordanian Society for Scientific Research - Jordan

#### UNIVERSITY COMMITTEES

- Head of the Quality and Strategic Planning Unit at the level of the College of Educational Sciences / Middle East University
- Member of the Comprehensive Exam / College of Educational Sciences / Middle East University.
- Head of the research team for the Science and Mathematics Development Project in Jordan (in cooperation with the Science and Mathematics Development Center at King Saud University UNESCO TIMSS Project)
- Member of the Queen Rania Award for Excellence in Education for teacher evaluation for the 2018-2017- / 2019-2018 courses
- Coordinator for the quality of the educational measurement and evaluation course (second semester of the year 1437) Imam Muhammad bin Saud Islamic University

Course description (Teaching Design (PhD) - Seminar in Educational Research, Educational Evaluation (MA) - Imam Muhammad bin Saud Islamic University

Member of the Strategic Planning and Quality Assurance Committee of the Department of Curricula and Teaching Methods - Imam Muhammad bin Saud Islamic University.

Member of the committee for re-description of master's course plans - Imam Muhammad bin Saud Islamic University.

Member of the Committee for Reclassifying Bachelor Course Plans - Imam Muhammad bin Saud Islamic University.

Member of the Science and Mathematics Committee - Imam Muhammad bin Saud Islamic University.

Member of the Advisory Committee of the College of Social Sciences - Imam Muhammad bin Saud Islamic University

Preparation of standards for the College of Educational Sciences that are in line with the scientific standards of Jordanian universities (Dean of the College Muhammad Al-Haila)









2005-2006.

### WORKSHOPS ATTENDED

- -Foundations of building objective exams (8/31/2020), Middle East University
- -Electronic exam preparation workshop on the EXAM platform Middle East University, second semester 2019/2020
- -Preparing electronic content Middle East University / second semester 2019/2020
- Global Publication Mechanisms Middle East University / Second Semester 2019/2020
- A training workshop "Periodic Reports for Programs and Courses" held by the Deanship of Evaluation and Quality in cooperation with the Education Evaluation Authority Higher Education Sector for two days, Wednesday and Thursday, at a rate of 12 hours during the period from 18-19 / 5/1438 AH.
- -Total Quality Workshop Department of Curricula and Teaching Methods -
- A training course (preparing the course file and the mechanism for completing the course report) Deanship of University Development / Imam Muhammad bin Soud Islamic University 3/12/1438.
- The scientific symposium (intellectual property rights) held at Imam Muhammad bin Saud Islamic University (organized by the Department of Curricula and Teaching Methods) on Wednesday 7/27/1437.

#### WORKSHOPS OFFERED

- Building test items workshop (faculty members) Middle East University, second semester 2019/2020
- Training workshop (visual notation in teaching and learning) the organization of the Deanship of Community Service and Continuing Education for the faculty at Imam Muhammad bin Saud Islamic University 16-17 / 28/1439-corresponding to 7-7 / 11 / 2017AD.
- Workshop (mental maps) for faculty members at King Saud University Wednesday 1/14/1439
- Training workshop (flipped Class in University Teaching) faculty at King Saud University 11/1/1439.
- Training workshop (design and construction of the curriculum) the organization of the Deanship of University Development for the faculty at Imam Muhammad bin Saud Islamic University 8/8/1438 -









corresponding to May 4, 2017.

- Training workshop (flipped Class in University Teaching) the organization of the Deanship of University Development for the faculty at Imam Muhammad bin Saud Islamic University 6/20/1438.
- -Training workshop (teaching based on specialization) Organizing the Deanship of University Development for the faculty at Imam Muhammad bin Saud Islamic University 5/29/1438.
- -Training workshop (flipped Class in University Teaching) faculty at King Saud University 3/15/1438.
- Presenting a training workshop for supervisors of practical education (Imam Muhammad bin Saud University): micro-teaching (01/22/1438).
- Presenting a training workshop for supervisors of practical education (Imam Muhammad bin Saud University): Effective Teaching Skills, (24/4/1437).
- A two-day assessment of learning outcomes course for faculty members at King Saud University Second semester / 7-8 / 5/1437.
- One-day effective teaching skills course for the supervisors of practical education at Imam Muhammad bin Saud Islamic University second semester / 3-February-2016 corresponding to 4/24/1437.
- A course (Student Learning Support) for faculty members at King Saud University 7/15/1435 corresponding to 5/14/2014 for one day
- -Research plan writing skills course / Postgraduate students Department of Curricula and Teaching Methods Imam Muhammad bin Saud Islamic University, Second Semester / 1436
- -A course on Islamic methods / for supervisors of practical education at Imam Muhammad bin Saud Islamic University Imam Muhammad bin Saud Islamic University, second semester / 1436
- A two-day assessment of learning outcomes course for faculty members at King Saud University Second Semester / 1436
- An effective teaching skills course for 3 days for faculty members at King Saud University Second Semester / 1436
- A course (Student Learning Support) for faculty members at King Saud University 7/15/1435 corresponding to 5/14/2014 for one day

A course (ethics for the university teaching profession) for faculty members at King Saud University 7/14/1435 corresponding to 5/13/2014 for a period of one day

- A course (developing the teaching portfolio) for faculty members at King Saud University (one day) on 7/13/1435 AH corresponding to 12/5/2014 AD
- -Training course (constructivist theory: planning lessons according to constructivist theory) date: 4/17/1435 corresponding to 2/17/2014 for five hours for supervisors in practical education at Imam Muhammad bin Saud Islamic University.
- A course (Student Learning Support) for faculty members at King Saud University 1/20/1433 corresponding to 12/4/2012, for one day
- Course (developing the teaching portfolio) for faculty members at King Saud University (one day) on 12/21/1433 AH corresponding to 11/6/2012 AD







- A course (Student Learning Support) for faculty members at King Saud University 11/23/1433 corresponding to 10/9/2012, for one day
- A course (mental maps) for faculty members at King Saud University Tuesday Wednesday 17-18 / 10/1433 corresponding to 4-5 / 9/2012 for two days

A micro-teaching course for faculty members at Imam University (February 2012)

- A training course (Constructivism in Teaching Science) for the trainee teachers in Amman Camp Girls' First and Second Primary School / and Al-Zuhoor Girls Primary Two.

First semester 2010/2011

- Implementation of a training workshop entitled (Content Analysis) first semester 2009/2010, and another 2010/2011 for the teachers of Wadi Bayader Al-Seer Wadi Preparatory Girls School, and Nazzal Preparatory females 2007 - 2008

Implementing a training workshop entitled (Action Research) for a research course at the Educational Development Center for school district supervisors and school principals. First semester 2009/2010

Implementation of the (Scientific Thinking Skills) course for students of the College of Educational Sciences (second year) for a period of (15) training hours from December 3 2009 until January 7 2010.

Implementing a course (Scientific Thinking Skills) for students of the College of Educational Sciences (third year) for a period of (15) training hours from 3/3/2009 until 4/4/2009.

- A certified trainer in (Total Quality Management), a trainer for supervisors, managers and school development teams for the five training complexes in the TQM project (the school as a unit of development) for the following courses:
- 1. The first complex: Leadership and planning (August 2001-2002) for a period of 4 days for supervisors and managers of the southern Amman region.
- 2. The Second Training Complex: Human Resources Management (August 2002-2003) for a period of 3 days for supervisors, managers and teachers in the southern Amman region.
- 3. The Third Training Complex: Teaching and Learning Administration (January 2002-2003) for a period of 3 days for supervisors, managers and teachers in the southern Amman region.
- 4. The Fourth Training Complex: Managing Links with the Local Community (August 2003-2004) for a period of 3 days for supervisors, managers and teachers in the southern Amman region.
- 5. The Fifth Training Complex: Quality Assurance Framework (August 2004-2005) for a period of 3 days for supervisors, managers and teachers in the southern Amman region.
- Participation in writing the training material for the second training complex: developing workers professionally.

Implementation of a two-day workshop (active learning strategies) (August 2008).

Training on (Scientific Thinking Skills) for a period of 13 hours (April 2008) for students of the College of Educational Sciences.













RESEARCH INTERESTS
Curriculum( analysis, assessment, developing)
Teaching methods
Languages
Arabic
English
OTHER COMMUNITY ACTIVITIES
Awards received









#### **GRADUATE STUDENTS SUPERVISION**

#### Student Name

Thesis Title

No. Student name Title Date of discussion

- 1- Ala'a Muhammad Jassim Al-Nassar. The impact of teaching based on the project on developing health and nutritional awareness among students of the second intermediate grade, 7/18/1434
- 2- Doaa Bint Saleh Suleiman Al-Skeet. The reality of employing family education teachers for Authentic Assessment strategies and tools of Intermediate stage 4/7/1434
- 3- Wadha bint Hamad Muhammad Al-Qahtani. Analyzing the content of the mathematics curriculum at the elementary stage in light of Trends in International Mathematics and Science Study (TIMISS) 5/28/1434
- 4- Norah bint Ayed bin Verdun Bani Hajer. The effectiveness of using multimedia in developing academic achievement and the trend towards chemistry At the female students of the first secondary grade in Riyadh 2/28/1435
- 5- Naglaa Abd al-Aziz Suleiman al-Yaqoub. "The extent to which science teachers use educational technologies and their attitudes towards it in the city of Hail" 7/12/1434
- 6- Nada Mubarak Freih Al-Shammari. The extent to which mathematics teachers use active learning strategies in the middle school in Hail 9/7/1434
- 7- Hind Omar Salem Al-Shagdli. Evaluating family education books for middle school in the Kingdom of Saudi Arabia in light of the requirements of nutrition and health awareness 3/7/1435
- 8- Kholoud Abdullah AliAl-Shamrani. The Effect of Using Electronic Mind Maps on Achievement and Development of Thinking Skills Inferential among third-grade intermediate students in the science course in Riyadh 5/17/1435
- 9- Hoda Saad Abdel Aziz Al-Omari. The effect of using the Six Thinking Hats on achievement and development of critical thinking skills among second-grade intermediate students in the science subject in Riyadh. 6/16/1435
- 10- Manar bint Mishaal bin Mohammed Al-Shablan. The effect of using suggested strategies based on the theory of intelligences In science teaching for the third intermediate grade, on the development of some thinking patterns of both sides of the brain. 23/7/1435
- 11- Sarah bint Talaq bin Jali Al-Mutairi, the effectiveness of the flipped classroom strategy using the educational platform. Edmodo is dedicated to developing self-learning skills and academic achievement. In the biology decision 7/8/1436
- 12- Badriya Bint Abdullah Bin Muhammad Al-Khalifah, the effectiveness of alternative evaluation in developing integrative science processes in chemistry among female students Third grade secondary 23/6/1436
- 13- Afzal bint Suleiman Ad-Dawish. The effectiveness of the active learning strategy in teaching the







monotheism course on imparting nodal concepts At the second intermediate grade female students in Riyadh 7/23/1436

- 14- Shatha bint Ahmed bin Abdul Karim Al-Khalifa. Level of scientific thinking skills and mathematical thinking among elementary school students 3/8/1436
- 15- Reem bint Mohammed bin Abdullah Al-Madhi. The effectiveness of project-based learning on academic achievement and development Metacognitive thinking skills for high school students in Riyadh 8/10/1436
- 16- Samira Abdullah Ahmad Al-Zahrani. Evaluating the educational diploma program at Imam Muhammad bin Saud Islamic University in light Total Quality Standards 10/2/1437
- 17- Maha Ahmad Saeed Al-Ahmadi. Evaluating the teaching performance of science teachers in the middle stage In light of NSTA standards 1/8/1437
- 18- Muzna bint Suleiman bin Ahmed Al-Farraj. The effectiveness of project-based learning in developing investigation skills in the science course For students of the second intermediate grade 2/8/1437
- 19- Haifa bint Awad bin Dhawi Al-Otaibi. The extent to which the educational activities for the high school mathematics course include aspects of comprehension Conceptual 8/8/1437
- 20- Hoda bint Ibrahim Abdo Adabi. The effect of using multiple intelligences strategies on the achievement of first-grade intermediate students in the science course 8/15/1437
- 21- Noura Dakhil Allah Ghazi Al-Otaibi. A proposal conception to include science books developed for the lower grades of the elementary school Concepts of ecotourism in the Kingdom of Saudi Arabia 8/16/1437
- 22- Maryam Abdo Ahmad Kariri. The effectiveness of the Six Hats strategy in developing the conceptual understanding of bioethical issues among third-grade secondary school students in Riyadh. 29/1/1438
- 23- Munira Abdulrahman Muhammad. The effect of using semantic maps on the development of reading comprehension in the English language subject At intermediate third grade students in the city of Riyadh. 27/2/1438
- 24- Sheikha Rajaan Shliwaih Al-Shammari. Disclosure of alternative mathematical concepts among middle school students in Riyadh 3/2/1438
- 25- Norah Abdullah Fahd Al-Qahtani. The effectiveness of using the strategy of generating ideas (SCAMBER) in solving mathematical problems Fifth grade female students in Riyadh 3/5/1438
- 26- Alaa Ibrahim Suleiman Al-Suwaina: The Effectiveness of the Similarities Strategy in Developing Reflective Thinking Skills among High School Students in Biology Course 19/3/1438
- 27- Imtenan bint Abdul Rahman bin Ali Al-Shahwan. The effectiveness of project-based learning in developing habits of mind amongst female students Intermediate School in the science course in Riyadh 4/18/1438
- 28- Taghreed Abdullah Ghosaini Al-Ju'id. The effect of the circular house-shape strategy on developing reflective thinking skills in the biology course for high school students 1/7/1438
- 29- Hoda Abdullah Abdul Mohsen Al-Rashoud. The effectiveness of using mental maps in developing conceptual comprehension In the chemistry course for high school students 8/22/1438
- 30- Amal Saif Al-Dalbahi. The effectiveness of using the modeling strategy in developing the engineering thinking skills of female students Primary stage.









- 31- Ayman Muhammad Ali Ali. The Effect of Flipped Classroom Strategy on Developing Grammatical Skills Among Middle School Female Students in Anbar Governorate / Iraq , 6/23/2020
- 32- Sakina Amin Atiyyah Al-Faqih. The degree of availability of national values in the English text book for third grade from the perspective of teachers in madaba governorate, 6/23/2020
- 33- Judd Muhammad Hasan Zuhair al-Abwah The degree to which faculty members possess teaching competencies from the point of view of graduate students (Masters)in Jordanian private universities in Amman governorate, 23/6/2020
- 34-Maysa Muhammad Falah Al-Hwaimel. The degree to which the curricula of the first three grades take into account the developmental characteristics of students from the viewpoint of female teachers in the Southern Shuna District, 6/24/2020
- 35-Aisha Ibrahim Ali Al-Muararha. The Degree of Contribution of Fourth and Fifth Grades of Text books in the Development of Life Skills of Students from the Point of View of Teachers in Southern Shonah District, 6/25/2020
- 36-Ammar Ismail Abboud Al-Amiri The Degree to Which Biology Teachers Use Modern Teaching Strategies in Iraqi Secondary Schools and Their Relationship of the Degree to Which They Use Scientific Thinking Development Methods for Students, , 6/25/2020.

### **STUDENT NAME**

## **DISSERTATION TITLE**

Hanan Bint Abdul Rahman Suleiman Al-Arini. Development of programs for preparing mathematics teachers in Saudi universities in light of contemporary global experiences, 5/7/1435

Reem bint Abdullah bin Hamad Al-Taaimi. Teaching program based on the Skman investigative model and its effectiveness in Development of integrative science processes and laboratory skills in the chemistry course at the secondary stage, 4/8/1437

Wafa bint Shabib bin Mohammed Al-Dossary. The effectiveness of a teaching program using creative thinking strategies In the development of solving non-routine mathematical problems and habits of mind among middle school students, 2/24/1438

Nawal Bint Saleh Bin Mutlaq Al Khalaf. A proposed model for developing a vocational education curriculum for high school students in light of the requirements of the knowledge economy

Samia bint Abdullah bin Ali Al-Shehri. Building a teaching program based on the McCarthy model (the 4Mat system) and measuring its effectiveness in developing reflective thinking for scientific concepts in the science course for female students of the first intermediate grade in Riyadh 28/8/1438

## REFERENCES

#		Person or Entity	Country	Title	Email	Mobile no.
	1	Prof. Ferial Mohammad abu awwad	jordan	Dr. education	ferial.abuawwad@yahoo.com	00962- 796862300









2	Prof. Iman Abed rasmi	Jordan	Dr. education	eabed67@yahoo.com	00962- 777939277
3	Prof. Faiza el- sayed	Egypt	Dr. education	proffaiza22@yahoo.com	00966- 542874388

