

CURRICULUM VITAE

Yousef Abd Algani

1. Personal Details

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2. Higher Education

A. Undergraduate and Graduate Studies

Period of Study	Name of Institution and Department	Degree	Year of Approval of Degree
2017 to	Alexandru Ioan Cuze, Department of Education,	Ph.D. Student	
2020	Haifa University	Mathematics KEY Guide	2020
2017-2019	Oranim College, Israel	Certificate in Measurement and Evaluation in Education	2019
2018	Mofet Institute	Pedagogical Guide	2018
10/2008 to 08/2011	Haifa University, Math Department, Israel	M.Sc. in Mathematics and Computer Science with (Thesis in field of Algebraic Topology)	2011
10/2004 to 07/2008	Haifa University, Math Department, Israel	B.Sc. in Mathematics and Computer Science	2008

07/2008	Oranim College, Israel	Teaching Certificate	2008
10/2001 to 09/2003	Technion, National Engineering School	Computer Software Engineer	2003

3. Work Experience

Date	Role	Place	Department
2009- Present	Lecturer,	Sakhnin College for Teacher Education, Sakhnin	Mathematics
2016- Present	Lecturer + Pedagogical Guide	The Arab Academic College for Education in Isreal, Haifa.	Mathematics
2009- Present	Teacher	Al Bashair School, Sakhnin	
2013-2014	Lecturer	ORT Braude College for Engineering, Karmil.	Software Engineering
2013-2014	Teaching Assistant	TAU	Mathematics
2008-2009	Teaching Assistant	Haifa University, Haifa	Mathematics

4. Scholarly Positions and Activities outside the Institution

1. Reviewer of Journal of Computer and Education Research (JCER).
2. Hebrew:
 - Academic writing, Mofet Institute, Israel.

- Develop a math material for a gifted student in mathematics.

5. Participation in Scholarly Conferences

Date	Name of Conference	Place of Conference	Subject of Lecture	Role
17\7\2018	ADCPES-2018 conference	University of IASI, - Romania	Impact of Accompanying Homework on Raising Educational Attainment in Mathematics.	oral presentation
30\8\2018	Sixth International Conference on Education, Language Instruction and Technology ELIT-2018	University of Economics and Education- Varna, Bulgaria.	The effect of the use of homework in mathematics http://iflet.com/elit/index.php/elit/elit	oral presentation
23-26\8\2019	Seventh International Conference on Education, Language Instruction and Technology ELIT-2019	University of Economics and Education- Varna, Bulgaria.	Reasons and Suggested Solutions for Low-Level Academic Achievement in Mathematics http://www.perun-holidays.com/conf_ELIT_2019.htm	oral presentation
6-10\9\2019	Twelfth International	University of Mathematics,	The Topological Connectivity of the Independence Complex	oral presentation

Conference Financial and Actuarial Mathematics - FAM-2019	Sofia, Bulgaria.	http://www.perun- holidays.com/conf FAM 2019.htm	
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Date	Name of Conference	Place of Conference	Subject of Lecture	Role
8-9/9/2020	ECLSS Online 2020d,	Kyrenia,	Teaching Values Through a Problem Solving in Mathematics	Director and an oral Presentation
16-18/10/2020	Ninth International Eurasian Conference on Language & Social Sciences (ECLSS2020a)	Antalya, Turkey	Where Will Homework in Mathematics Take Us?	Director and an oral Presentation
7-10/5/2020	Eighth International Conference on Education, Language Instruction and Technology ELIT-2020	University of Economics and Education- Varna, Bulgaria.	Activating Values in Mathematics Lessons	Oral Presentation
5-6/9/2020	Thirteen International Conference Financial and Actuarial	Sofia, Bulgaria	Practical Comparison Between Reweighted Nadaraya- Watson and Local kernel Mode Estimators	Oral Presentation

	Mathematics- FAM-2020			
27-28/8/2020	22th International Conference On Geometry, Topology and Applications	Sydney, Australia	Topological Connection and Circular- Arc Graphs	Oral Presentation
26-27/11/2020	22th International Conference On Education in mathematics, Science, Engineering and Technology.	Jerusalem, Israel.	Impact of Accompanying Homework on Raising Educational Attainment in Mathematics	Accepted for Oral Presentation
20-21/11/2020	Tenth Eurasian Conference on Language and Social Sciences (ECLSS2020b)	Almaty, Kazakhstan	Perceptions and Attitudes of Parents and Students to Homework in Mathematics https://www.eclss.org/	Accept for Oral Presentation
20-21-22/11/2020	1 st International Congress on gifted Young Scientists Education (ICGYSE)	Istanbul, Turkey	Developing Mathematical Thinking Skills for 7th Grade pupils	Accept for Oral Presentation

6. Invited Lectures\ Colloquium Talks

Date	Place of Lecture	Name of Forum	Presentation
7/8/ 2018	Sakhnin College	ACADEMIC WRITING	Participant presents the article: Reasons and Suggested Solutions for Low-Level Academic Achievement in Mathematics.

7. Scholarships, Awards and Prizes

1. (2013-2014), 66,000 Shekel for Ph.D. Student from TAU.

Teaching

a. Courses Taught in Recent Years

Year	Name of Course	Type of Course	Degree	Number of Students
2018-2019	Introduction to Topology	Lecture	B.Ed	35
2018-2019 2009-2010	Introduction to Modern Algebra	Lecture	B.Sc. +B.Ed	28
2013-2019	Calculus 1	Lecture	B.Sc. +B.Ed	9-34
2014-2019	Introduction to Geometry	Lecture	B.Ed	21-41
2014-2019	Didactics of Mathematics	Lecture	B.Ed	15-23
2014-2019	Teaching Geometry	Lecture	B.Ed	11-20
2018-2019	Teaching math	Lecture	B.Ed	32
2012-2015	Discrete Mathematics	Lecture	B.Sc.	35-40
2009-2011	Computer Science Structure	Lecture	B.Sc	25-30

2. Miscellaneous

-איש השנה (2013) בתחום המתמטיקה ומדעי המחשב- קרן איש השנה בקהילה הערבית.

-*Reviewer in the "Journal of Computer and Education Research (JCER)". [2019].*

-*Reviewer in the journal: "Higher Educational Research" (HER). [2020].*

PUBLICATIONS

A. M.Sc. Dissertation

M.Sc. thesis:

"The Topological Connectivity of The Independence Complex."

- Supervisor: Dr. Eli Berger: berger@math.haifa.ac.il.

B. Ph.D. Dissertation

Ph.D. thesis

“The Impact of Graded Cognitive Based Assignments on Mathematics Performance of Arab Middle School Students in the North of Israel”.

- Supervisor: Prof. uni. Dr. Constantin Cucos: cucos@uaic.ro

C. Scientific Books (Refereed)

Introduction to Topology (7 chapters, 200 Pages) (In review),
(Hebrew).

A. Articles in Refereed Journals

I write an articles in Pure Mathematics and in Mathematics Education:

1. Mathematics Education

Published

- (1) Algani Y., (2018). Applying Creative Skills in Teaching Math at Primary School Stage, *journal of International Education, Economy and Business*, Issues (6) P.26-33. ISSN 2367-6035.

http://www.psp-ltd.com/JIEB_65_6_2018.pdf.

http://www.psp-ltd.com/JIEB_index.htm#anchor2

- (2) Algani, Y., (2019), Innovative Ways to Teach Mathematics: Are they Employed in Schools?, *Journal of Computer and Education Research (JCER)*, 7(14). 496-514. DOI: 10.18009/jcer.612199.

<https://dergipark.org.tr/tr/download/article-file/842986>

<https://dergipark.org.tr/tr/pub/jcer/issue/49915>

- (3) Algani, Y, Eshan, J. (2019). Reasons and Suggested Solutions for Low-Level Academic Achievement in Mathematics. *International e-Journal of Educational Studies*, 3 (6), 181-190. DOI: 10.31458/iejes.604884.
<https://dergipark.org.tr/iejes/issue/47905/604884>
<https://dergipark.org.tr/download/article-file/783937>
- (4) Algani Y., Eshan J., (October 2019), Teaching Values via Problem-Solving Approach in Mathematics, *International Journal of Latest Research in Engineering & Technology (IJRET)*, Volume 05 Issue 10 PP. 01-11. ISSN: 2454-5031.
<http://www.ijlret.com/vol5-issue10.html>
<http://www.ijlret.com/Papers/Vol-05-issue-10/1.B2019059.pdf>
- (5) Algani Y., (2019), The Effect of Mathematics Events on The Adjustment of Students' Error in Fractions, *International Journal of Development Research*, 09, (11), 35-39.
<http://journalijdr.com/effect-mathematics-events-adjustment-students-errors-fractions>
http://journalijdr.com/sites/default/files/issue-pdf/17489_0.pdf
- (6) Abd Algani, Y, Eshan, J. (2020). The effectiveness of a program for developing the skills of mathematical thinking for first year preparatory pupils. *Journal of Gifted Education and Creativity*, 7 (2), 41-51.
<https://dergipark.org.tr/en/pub/jgedc/issue/55995/758338>
<https://dergipark.org.tr/en/download/article-file/1198219>
- (7) Abd Algani, Y, Eshan, J, Ishan-younis, N, Haj, A. (2020). Arab Teachers' Attitudes towards the Issue of Violence at Schools in Israel. *Academy Journal of Educational Sciences*, 4 (1), 31-43. DOI: 10.31805/acjes.681402
<http://journal.acjes.com/en/pub/issue/55810/681402>
<http://journal.acjes.com/tr/download/article-file/1187898>

- (8) Algani, Y, Alhaj A., (2020). Thinking Styles of New Mathematics Teachers and Their Relation to Self-Esteem, *International e-Journal of Educational Studies*, 4 (8). (Accepted).

Pure Math

- (9) Abd Algani, Y. (2019). The Topological Connectivity of the Independence Complex of Circular-Arc Graphs. *Universal Journal of Mathematics and Applications*, 2 (4), 159-169. DOI: 10.32323/ujma.556457
<https://dergipark.org.tr/en/pub/ujma/issue/50995/556457>
<https://dergipark.org.tr/en/download/article-file/901755>
- (10) Algani Y., (2020). Kernel Estimation of the Conditional Probability Density Function and Some of Its Aspects, *Thirteen International Conference Financial and Actuarial Mathematics – FAM-2020* (Accepted in the journal of the conference).

Submitted

- (11) Algani Y., To Develop Some Spatial Sense Skills Among Secondary School Students. (In Printing).
- (12) Algani Y., Investigating the Impact of Teaching beliefs and Practices on the Quality of Mathematics Education. (In Printing).
- (13) Algani Y., The Topological Connectivity of the Independence Complex of Bipartite Chordal Graphs. (In Printing).

Biodata:



Yousef Methkal Abd Algani born in Nahif, Israel, June 2, 1981. He graduated from the Department of Software Engineering, Technion in 2002, and graduated B.Sc. on Mathematics and Computer Science in 2008, Haifa Uni', Israel. Furthermore, graduated M.Sc. on mathematics and Computer Science with a thesis in the field of Algebraic Topology, Haifa Uni', Israel, in 2012. He completes his Teaching Certificate, and in addition to a Certificate on Measurement and Evaluation in Education in Oranim Collage. Worked as a lecturer in Sakhnin College for Teacher Education, in the Department of Mathematics, Sakhnin, not only, but also a lecturer in The Arab Academic College for Education in Isreal, in the Department of Mathematics, Haifa. Currently, he is a student for Ph.D in mathematics Education. He participated in several international conferences, and he published a 9 articles in the field of Mathematics and Mathematics Education in English.

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