



# CURRICULUM VITAE

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Prof. Jawad Younes Abuhlail

Mathematics (Algebra)

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## ❖ PERSONAL INFORMATION

- **Nationality:** Palestinian
- **Place of Birth:** Dora/Palestine
- **Date of Birth:** 28/01/1971
- **Marital Status:** Married (2 sons + 3 daughters)

## ❖ EDUCATION

2001	Ph.D. in Mathematics (Algebra)	Heinrich Heine Universität (University of Düsseldorf)	Germany	Distinguished in Algebra
1993	M.Sc. in Mathematics (Algebra)	Yarmouk University	Jordan	thesis + comprehensive exam
1991	B.Sc. in Science (Mathematics)	Muta' University	Jordan	الأول على الدرجة
1988	Tawjihi	Ministry of Higher Education	Palestine	90% (الثالث على محافظة الخليل)

## ❖ REFEREES:

#	Name	Email/Website	Affiliation	Relation
1.	Husain Al-Attas	<a href="mailto:halattas@kfupm.edu.sa">halattas@kfupm.edu.sa</a> <a href="https://faculty.kfupm.edu.sa/MATH/halattas/">https://faculty.kfupm.edu.sa/MATH/halattas/</a>	King Fahd University of petroleum and Minerals <b>(Dhahran, KSA)</b>	Ex-Chairman at KFUPM 2013-2021
2	Salah-Eddine Kabbaj	<a href="mailto:kabbaj@kfupm.edu.sa">kabbaj@kfupm.edu.sa</a> <a href="https://faculty.kfupm.edu.sa/MATH/kabbaj/">https://faculty.kfupm.edu.sa/MATH/kabbaj/</a>	King Fahd University of petroleum and Minerals <b>(Dhahran, KSA)</b>	Coadvisor and coauthor Head: Commutative Algebra Research Lab
3.	Robert Wisbauer	<a href="mailto:wisbauer@hhu.de">wisbauer@hhu.de</a> <a href="mailto:wisbauer@math.uni-duesseldorf.de">wisbauer@math.uni-duesseldorf.de</a> <a href="http://reh.math.uni-duesseldorf.de/~wisbauer">http://reh.math.uni-duesseldorf.de/~wisbauer</a>	Heinrich-Heine- Universität <b>(Düsseldorf, GERMANY)</b>	Ph.D. Advisor & Co-author
4.	Tomasz Brzezinski	<a href="mailto:T.Brzezinski@swansea.ac.uk">T.Brzezinski@swansea.ac.uk</a> <a href="https://www.swansea.ac.uk/staff/t.brzezinski/">https://www.swansea.ac.uk/staff/t.brzezinski/</a>	University of Wales <b>(Swansea, UK)</b>	Coeditor & Expert in Corings and Comodules
5.	Christian Lomp	<a href="mailto:clomp@fc.up.pt">clomp@fc.up.pt</a> <a href="https://www.fc.up.pt/pessoas/clomp/">https://www.fc.up.pt/pessoas/clomp/</a>	University of Porto <b>(Porto, PORTUGAL)</b>	Coauthor

## ❖ EMPLOYMENT HISTORY:

April 2014 – Now	Professor	KFUPM	Dhahran	Saudi Arabia
April 2006 – March 2014	Associate Professor	KFUPM	Dhahran	Saudi Arabia
Sep. 2003 – March 2006	Assistant Professor	KFUPM	Dhahran	Saudi Arabia
Sep. 2001 – Aug. 2003	Assistant Professor	Birzeit University	Birzeit	Palestine
January 1996 – September 1996	Instructor	Ramallah Women Training Center	Ramallah	Palestine
Sep. 1993 – December 1995	Lecturer	Birzeit University	Birzeit	Palestine

- **UNDERGRADUATE COURSES TAUGHT:**

<http://www.kfupm.edu.sa/departments/math/Pages/en/ABSM-CourseDescription.aspx>

<b>KFUPM (2003 – Now)</b>			<b>Other Universities (before 2003)</b>
<b>#</b>	<b>Code</b>	<b>Title</b>	<b>Title (different codes)</b>
1	MATH 001	Pre-Calculus I	General Mathematics
2	MATH 002	Pre-Calculus II	Mathematics for Finance
3	MATH 101	Calculus I	Calculus I
4	MATH 102	Calculus II	Calculus II
5	MATH 201	Calculus III	Calculus III
6	MATH 105	Finite Mathematics	Number Theory
7	MATH 106	Applied Calculus	Euclidean Geometry
8	MATH 202	Elements of Differential Equations	Numerical Analysis
9	MATH 208	Introduction to Differential Equations & Linear Algebra	Differential Equations and Linear Algebra
10	MATH 210	Introduction to Sets and Structures	Set Theory and Logic
11	MATH 225	Introduction to Linear Algebra	Linear Algebra
12	MATH 302	Engineering Mathematics	Real Analysis I
13	MATH 315	Development of Mathematics	Real Analysis II
14	MATH 323	Modern Algebra I	Abstract Algebra (I)
15	MATH 336	Mathematical Models in Biology	Probability Theory
16	MATH 336	Linear Algebra	
17	MATH 399	Summer Training	
18	MATH 445	Introduction to Complex Variables	Complex Variables
19	MATH 453	Introduction to Topology	General Topology

**Remarks:**

- I acted a coordinator many times. In some of the courses I coordinated, we had about 30 sections and more than 1300 students.
- I was in the exam committee of several coordinated courses.
- I taught online for 3 semesters during the Covid-19 pandemic.

• **GRADUATE COURSES TAUGHT (All at KFUPM 2003 – Now):**

<http://www.kfupm.edu.sa/departments/math/Pages/en/Graduate-Program-in-Mathematics-Course-Descriptions.aspx>

#	Code	Title	Semester	Academic Year
1	MATH 533	Complex Variables I	032	2003/2004
2	MATH 595	Reading & Research II	032	2003/2004
3	MATH 654	Advanced Topics in Algebra	061	2006/2007
4	MATH 553	Homological Algebra	062	2006/2007
5	MATH 552	Fields and Galois Theory	071	2007/2008
6	MATH 551	Abstract Algebra	072	2007/2008
7	MATH 695	Reading and Research I	082	2008/2009
8	MATH 550	Linear Algebra	101	2010/2011
9	MATH 654	Advanced Topics in Algebra	112	2011/2012
10	MATH 695	Reading & Research I	121	2012/2013
11	MATH 696	Reading & Research II	122	2012/2013
12	MATH 551	Abstract Algebra	122	2012/2013
13	MATH 690	Special Topics in Mathematics	132	2013/2014
14	MATH 695	Reading and Research I	132	2013/2014
15	MATH 696	Reading and Research II	142	2014/2015
16	MATH 550	Linear Algebra	151	2015/2016
17	MATH 550	Linear Algebra	152	2015/2016
18	MATH 521	General Topology I	171	2017/2018
19	MATH 595	Reading and Research I	172	2017/2018
20	MATH 596	Reading and Research II	181	2018/2019
21	MATH 551	Abstract Algebra (Females)	192	2019/2020
22	MATH 570	Math for Quantum Computing	201	2020/2021
23	MATH 570	Math for Quantum Computing	211	2021/2022

**Remarks:**

- (1) The courses Math 595, Math 596, Math 695, Math 696, Math 690, Math 654 have variable content.
- (2) I taught Math 711 (Pre-Ph.D. Dissertation) in the semesters 121 & 141.
- (3) I taught Math 712 (Ph.D. Dissertation) in semesters 131, 132, 141, 142, 151, 152, 161, 162, 171 & 172.
- (4) I taught the course Math 610 (M.Sc. Thesis) in the semesters 172, 181 & 182.

❖ **THESIS SUPERVISION (STUDENTS):**

Student's Name	Affiliation	Degree	Thesis Title	Starting	Ending	Outcomes
A. Alfaraj	KFUPM	M.Sc.	Separation Axioms in X-top Lattices and PSI decompositions	Feb. 2018	May 2019	3 preprints
R. G. Noegraha	KFUPM	Ph.D.	Flat, Projective and Injective Semimodules	Sep. 2015	May 2017	3 papers 2 preprints
H. Hroub	KFUPM	Ph.D.	Zariski-like Topologies for Modules	Sep. 2012	May 2016	3 papers
M. Jarrar	KFUPM	Ph.D.	Tilting and Star-Module Theory in Commutative Rings	Sep. 2006	June 2009	2 papers
N. Al- Sulaiman	Dammam University	Ph.D.	Hopf Semi-Algebras	Sep. 2006	June 2011	1 paper
I. Abu-Sakur	Palestine Polytechnic University	M.Sc.	Corings and Comodules	Sep. 2008	July 2010	

**REMARK:** I was the co-advisor for the Ph.D. dissertation of Khalid Adarbeh entitled “Matlis’ semirregularity in trivial ring extensions and rings with semiregular proper homomorphic images” at KFUPM (May 2016)

❖ **AREAS OF EXPERTISE AND RESEARCH INTERESTS:**

MSC	TOPIC	DETAILS
16	Associative Algebra	Module Theory, Hopf Algebras, Coalgebras, Corings & Comodules, Semirings & Semimodules; Prime/Coprime Modules; Zariski-like Topologies.
18	Category Theory	Monads and Comonads, (Semi)Monoidal Categories, Non-Abelian Homology, Relative Categorical Algebra
13	Commutative Algebra	Prüfer-like Rings; Tilting and Cotilting Modules; Star-Modules

❖ **MEMBERSHIPS:**

- American Mathematical Society (AMS)
- Deutsche Mathematiker-Vereinigung (DMV)
- European Mathematical Society (EMS)
- Palestinian Mathematical Society (PMS)

❖ **RESEARCH VISITS:**

- Heinrich-Heine Universität - Germany (2009 & 2005)
- University of Glasgow - Scotland (2008)
- Da Universidade Do Porto - Portugal (2012 & 2005)
- Swansea University - Wales (2000)
- Manchester University - UK. (2000 & 1999)
- Granada University - Spain (2011 & 1999)

❖ **VISITORS:**

- Mohammad Saleh, Birzeit University, Palestine (2014)
- Christian Lomp, University of Porto, Portugal (2014)
- Khaled Al-Takhman, Birzeit University, Palestine (2013)
- S.K. Jain, Ohio University, USA (2009)
- Christian Lomp, University of Porto, Portugal (2012 & 2006)
- Jan Trlifaj, Charles University, Prague, Czech Republic (2006)
- Robert Wisbauer, Heinrich-Heine Universität, Düsseldorf, Germany (2009 & 2005).

❖ **COMMUTATIVE ALGEBRA RESEARCH GROUP (CARG):** I was an active member of the group (established in 2004 under the name “Commutative Algebra Research Lab (CARL)”) under the direction of Prof. S. Kabbaj. I delivered so far more than 50 talks at the weekly seminar of the group/lab.

❖ **REFEREEING/REVIEW:**

- I refereed papers for about 50 international journals and several international conferences.
- I refereed 5 promotion cases in Algebra at several Arab universities
- I also wrote reviews of several papers for [Mathematical Reviews](#) (AMS) and [ZentralBlattMath](#) (EMS).

❖ **EDITORIAL BOARDS:**

JOURNAL	ROLE	PUBLISHER
Palestine Journal of Mathematics (PJM) <a href="http://pjm.ppu.edu">http://pjm.ppu.edu</a>	Co-Founder & Editor (2012 – Now)	Palestine Polytechnic University
Arabian Journal of Mathematics (AJM) <a href="http://www.springer.com/40065">http://www.springer.com/40065</a>	Co-Founder & Editor (2102 – Now) & Managing Editor (2012 – 2013)	Springer & KFUPM
Arabian Journal of Science & Engineering (AJSE-Mathematics) <a href="http://ajse-mathematics.kfupm.edu.sa/">http://ajse-mathematics.kfupm.edu.sa/</a>	Associate Managing Editor (2009 – 2011)	Springer & KFUPM

❖ **Publications** (34 journal papers + 2 conference papers + 4 coedited proceedings)

**(A) REFEREED JOURNAL PUBLICATIONS**

- [J34] **J. Abuhlail** and H. Hroub, *PS-Hollow representations of modules over commutative rings*, Journal of Algebra and its Applications 21, No. 2, Article ID 2250243, 18 p. (2022) **(ISI & Scopus)**.
- [J33] **J. Abuhlail** and R. G. Noegraha, *Injective semimodules-revisited*. J. Algebra Appl. 21, No. 1, Article ID 2250242, 28 p. (2022) **(ISI & Scopus)**.
- [J32] **J. Abuhlail and R. G. Noegraha**, *On semisimple semirings*, Comm. Algebra. 49 (3), 1295-1313 (2021) (ISI). **(ISI & Scopus)**
- [J31] **J. Abuhlail** and R. G. Noegraha, *Pushouts and e-Projective Semimodules*, Bull. Malays. Math. Sci. Soc. (2) 44 (1), 527-562 (2021). **(ISI & Scopus)**
- [J30] **J. Abuhlail** and H. Hroub, *Second representable modules over commutative rings*, Communications in Algebra 47 (2019), no. 9, 3859–3874 (NOTE: accepted 7.11.2018; published online: 26.3.2019). **(ISI & Scopus)**
- [J29] **J. Abuhlail** and H. Hroub, *Zariski-like topologies for lattices with applications to modules over associative rings*, Journal of Algebra and its Applications 18 (2019), no. 7, 1950131, 34 pp. **(ISI & Scopus)**
- [J28] **J. Abuhlail**, S. Il'in, Y. Katsov and T. Nam, *Toward homological characterization of semirings by e-injective semimodules*, Journal of Algebra and its Applications 17 (4), (2018). (ISI: Q2) **(ISI & Scopus)**
- [J27] **J. Abuhlail**, and Ch. Lomp, *On topological lattices and an application to first submodules*, Journal of Algebra and Its Applications 15 (3) (2016) (21 pages). **(ISI & Scopus)**
- [J26] **J. Abuhlail**, S. Il'in, Y. Katsov and T. Nam, *On V-semirings and semirings all of whose cyclic semimodules are injective*, Communications in Algebra 43 (11: November) 2015, 4632-4654. **(ISI & Scopus)**
- [J25] **J. Abuhlail**, *Zariski topologies for coprime and second submodules*, Algebra Colloquium, 22 (1: March) (2015), 47-72. **(ISI & Scopus)**
- [J24] **J. Abuhlail**, and N. Alsulaiman, “*Hopf semialgebras*”, Communication in Algebra 43 (3: March) (2015), 1241–1278. **(ISI & Scopus)**
- [J23] **J. Abuhlail**, “*Semicorings and Semicomodules*”, Communications in Algebra 42 (11: November) (2014), 4801–4838. **(ISI & Scopus)**
- [J22] **J. Abuhlail**, “*Some Remarks on Tensor Products and Flatness of Semimodules*”, Semigroup Forum 88 (3) (2014), 732-738. **(ISI & Scopus)**

[J21] **J. Abuhlail**, “*Exact Sequences of Commutative Monoids and Semimodules*”, Homology, Homotopy and Applications 16 (1) (2014), 199–214. **(ISI & Scopus)**

[J20] **J. Abuhlail** and Ch. Lomp, “*On the notions of strong irreducibility and its dual*”, Journal of Algebra and its Applications 12 (6) (2013) [23 pages] **(ISI & Scopus)**

[J19] **J. Abuhlail**, “*Semiunital semimonoidal categories (Applications to semirings and semicorings)*”, Theory and Applications of Categories 28 (4) (2013), 123-149. **(ISI & Scopus)**

[J18] **J. Abuhlail**, “*A Zariski Topology for Modules*”, Communications in Algebra 39 (12) (2011), 1-19. **(ISI & Scopus)**

[J17] **J. Abuhlail**, M. Jarrar and S. Kabbaj, “*Commutative rings in which every finitely generated ideal is quasi-projective*”, Journal of Pure and Applied Algebra 215 (10) (2011), 2504-2511. **(ISI & Scopus)**

[J16] **J. Abuhlail**, and M. Jarrar, “*Tilting Modules over almost perfect domains*”, Journal of Pure and Applied Algebra 211 (8) (2011), 2024–2033. **(ISI & Scopus)**

[J15] **J. Abuhlail**, “*A Dual Zariski Topology for Modules*”, Topology and its Applications 158 (3) (2011), 457-467 **(ISI & Scopus)**

[J14] **J. Abuhlail**, “*A Zariski Topology for Bicomodules and Corings*”, Applied Categorical Structures 16 (1-2) (2008), 13-28. **(ISI & Scopus)**

[J13] **J. Abuhlail**, “*Fully Coprime Comodules and Fully Coprime Corings*”, Applied Categorical Structures 14 (2006), 379-409. **(ISI & Scopus)**

[J12] **J. Abuhlail, J.**, “*Duality Theorems for Crossed Products over Rings*”, Journal of Algebra 288 (2005), 212-240. **(ISI & Scopus)**

[J11] **J. Abuhlail**, “*Hopf Pairings and (Co)induction Functors over Commutative Rings*”, Journal of Algebra and its Applications 4 (2005), 369-404. **(ISI)**

[J10] **J. Abuhlail, J.**, “*Dual Entwining Structures and Dual Entwined Modules*”, Algebras and Representation Theory 8 (2005), 275–295. **(ISI & Scopus)**

[J9] **J. Abuhlail**, “*A Note on Coinduction Functors between Categories of Comodules for Corings*”, Ann. Univ. Ferrara Sez. VII (N.S.) 51 (2005), 151–172. **(Scopus)**

[J8] **J. Abuhlail**, “*On the Linear Weak Topology and Dual Pairings over Rings*”, Topology and its Applications 149 (2005), 161-175. **(ISI & Scopus)**

[J7] **J. Abuhlail**, “*On Linear Difference Equations over Rings and Modules*”, International Journal of Mathematics and Mathematical Sciences 2004, Issue 5 (2004), 239-258. **(Scopus)**

[J6] **J. Abuhlail**, “On Coreflexive Coalgebras and Comodules over Commutative Rings”, Journal of Pure and Applied Algebra 194 (2004), 1-38. **(ISI & Scopus)**

[J5] **J. Abuhlail**, “Rational Modules for Corings”, Communications in Algebra, Vol. 31 (2003), pp. 5793-5840. **(ISI & Scopus)**

[J4] **J. Abuhlail**, J. Gómez Torrecillas and F. J. Lobillo, “Duality and Rational Modules for Hopf Algebras over Commutative Rings”, Journal of Algebra, 240 (2001), 165-184. **(ISI & Scopus)**

[J3] **J. Abuhlail**, J. Gómez-Torrecillas, and R. Wisbauer, “Dual Coalgebras of Algebras over Commutative Rings”, Journal of Pure and Applied Algebra, 153 (2000), 107-120. **(ISI & Scopus)**

### Work before Ph.D.

[J2] M. Saleh, H. Yousef, and **J. Abu Hlail**, “The Number of Ring Homomorphisms from  $Z_m[\zeta] \times Z_n[\zeta]$  into  $Z_k[\zeta]$ ”, An Najah Univ. J. Res. 14 (2000), 1-5.

[J1] M. Saleh, H. Yousef and **J. Abu Hlail**, “The Number of Homomorphisms from  $Z_{m_1} \times \dots \times Z_{m_r}$  into  $Z_{k_1} \times \dots \times Z_{k_s}$ ”, Dirasat Natural and Engineering Sciences 25 (1998), 326-329.

### **(B) REFEREED CONFERENCE PROCEEDINGS**

**REMARK:** Both conference papers are *full length* papers; the content is not published elsewhere. The refereeing process is similar to that of journal papers.

[C2] **Abuhlail, J.** and Nauman, S.K., “Injective Morita Contexts”, in “Modules and Comodules”, Proceedings of the International Conference held at the University of Porto, Porto, September 6–8, 2006, Edited by Tomasz Brzeziński, José Luis Gómez Pardo, Ivan Shestakov and Patrick F. Smith, Series: Trends in Mathematics, Birkhäuser (2008), pp. 1 – 30 **(ISI Proceedings)**

[C1] **Abuhlail, J.**, “Morita Contexts for Corings and Equivalences”, Hopf Algebras in Noncommutative Geometry and Physics, S. Caenepeel and F. Van Oystaeyen (eds.), Marcel Dekker, New York: Lect. Not. Pur. App. Math., Vol. 239 (2005), pp. 1-19. **(ISI Proceedings)**

❖ **CITATIONS** <https://orcid.org/0000-0002-7637-8822>

	Number of Papers	Total			Excluding Self-citations		
		# of citations	# of articles # authors	h-index	# of citations	# of articles # of authors	h-index
ISI (D-2736-2009)	32	197		8	118	101 articles	8
SCOPUS (6508061142)	31	205	130 articles	9	126	104 articles	7
MATHEMATICAL REVIEWS	36	193	112 authors	9			
ZENTRALBLATT MATH	34	176 (in 34 series)	104 articles 99 authors	8			

### (C) CO-EDITED VOLUMES

[E4] T. Abualrub, J. Abuhlail, A. Badawi, S. Hedayat, S. Khoury, S. Messaoudi, F. Uygul and T. Wunderli, *Special issue on selected and refereed articles of the second international conference on mathematics and statistics (AUS-ICMS '15)*, American University of Sharjah, United Arab Emirates, April 2–5, 2015. Palest. J. Math. 5, Spec. Iss., 274 p. (2016).  
<https://pjm.ppu.edu/vol/2015/spec-1>

[E3] J. Abuhlail, A. Badawi, S. Kabbaj, A. Jaballah, A. Laradji, R. Wisbauer, *Selected Papers from the Algebra Sessions at the First International Conference on Mathematics and Statistics (AUS-ICMS'10)*, Arabian Journal of Mathematics (Springer), April 2012.  
<http://link.springer.com/journal/40065/1/1/page/1>

[E2] J. Abuhlail, A. Badawi, S. Kabbaj, A. Jaballah, A. Laradji, R. Wisbauer, *ICMS'10 Proceedings (Algebra)*, Part I (15 papers), AJSE-Mathematics 36 (6) (Springer), October 2011.  
<http://link.springer.com/journal/13369/36/6/page/1> (ISI)

[E1] J. Abuhlail, G. Böhm, T. Brzeziński, H. P. Gumm, S. Kabbaj, R. Street and R. Wisbauer, *Interactions of Algebraic and Coalgebraic Structures (Theory and Applications)*: AJSE, December 2008; Vol. 33, Number 2C. (ISI)

### ❖ TRANSLATION OF SPECIALIZED BOOKS

[TB] M. El-Gebeily, R. Alassar and J. Abuhlail, Translation to Arabic of “D. Zill, *A First Course in Differential Equations with Modeling Applications*, Cengage Learning, 9<sup>th</sup> Edition (2008)”.

### ❖ (CO)AUTHORED BOOKS (IN ARABIC)

(1) جواد يونس أبو هليل، 100 مسألة محلولة في الجبر، مختارات من مسابقات وأولمبياد الرياضيات، مكتبة المتنبي (قيد الطباعة).

(2) جواد يونس أبو هليل، 100 مسألة محلولة في المتباينات، مختارات من مسابقات وأولمبياد الرياضيات، مكتبة المتنبي - السعودية (2021).

(3) رجائي سميح العصار، جواد يونس أبو هليل، محمد زهير أبو صبيح، مدخل إلى أولمبياد ومسابقات الرياضيات: مقدمة – مسائل – حلول، مكتبة العبيكان – السعودية (2013).

❖ PRESENTATIONS AT INTERNATIONAL CONFERENCES/WORKSHOPS: about 30 presentations at international conferences/workshops in USA, Austria, Belgium, Egypt, Germany, India, Indonesia (plenary speaker, 2011), Italy, Morocco, Norway, Oman, Palestine, Spain, Turkey & UAE.

### ❖ EVENTS CO-ORGANIZATION:

- Special session “*Modules and Comodules*” at the “ICMS'10, American University of Sharjah, March 18-21, 2010” (with Robert Wisbauer, Düsseldorf, Germany)
- Special session “*Modules and Comodules*” at the “ICMS'15, American University of Sharjah, April 2-5, 2010” (with Robert Wisbauer, Düsseldorf, Germany)
- *Third Commutative Algebra Workshop* 2014, KFUPM (28.4.2014).
- ALGEBRA WORKSHOP – KFUPM (March 19-21, 2006)
- ALGEBRA & APPLICATIONS DAY – KFUPM (March 1<sup>st</sup>, 2005)



❖ **FUNDED RESEARCH PROJECTS (DSR, KFUPM):**

#	Code	Title	Duration (months)	Start/End
[12]	<b>RG1304</b> with (A. Laradji) (Consultant: T. Nam)	Projective and Injective Semimodules (Revisited)	<b>24</b>	15.12.2013 14.12.2015
[11]	<b>RG1213</b> with (E. Echi) (Student: H. Hroub)	Unifying Zariski-like Topologies for Modules	<b>36</b>	01.06.2012 31.05.2015
[10]	<b>SB101023</b> (Consultant: Ch. Lomp)	Strongly Hollow Modules	<b>18</b>	01.09.2011 28.02.2013
[9]	<b>IN100008</b> (Consultant: R. Wisbauer)	Monads and Comonads in Varieties	<b>24</b>	1.01.2010 1.01.2012
[8]	<b>FT100004</b>	On Exact Sequences of Semimodules over Semirings	<b>18</b>	1.03.2010 31.08.2011
[7]	<b>FT090007</b>	Almost Perfect Rings	<b>18</b>	1.09.2009 28.02.2011
[6]	<b>IN080400</b>	Semibialgebras and Hopf Semialgebras	<b>24</b>	15.03.2008 14.03.2010
[5]	<b>FT08009</b>	Zariski-like Topologies for Modules over Commutative Rings	<b>18</b>	1.03.2008 31.08.2009
[4]	<b>IN070351</b> (Student: M. Jarrar)	The Structure of Tilting Modules over Commutative Rings	<b>24</b>	01.09.2007 31.08.2009
[3]	<b>FT060010</b>	Semicorings and Semicomodules	<b>12</b>	01.09.2006 31.08.2007
[2]	<b>IN000296</b>	Primeness and Coprimeness Conditions for Comodules & Corings	<b>27</b>	15.12.2005 14.03.2008
[1]	<b>JF050003</b> (Consultant: S. Kabbaj)	Tilting and Cotilting Modules over Commutative Rings	<b>10</b>	28.07.2005 27.06.2006
		Modules over Non-Noetherian Domains	<b>1</b>	August 2005

❖ **BOOK WRITING/TRANSLATION GRANTS (DSR, KFUPM):**

[4]	AR101010	100 مسألة محلولة في المتباينات	<b>18</b>	15.12.2011 14.06.2013
[3]	AR100007	100 مسألة محلولة في الجبر	<b>18</b>	15.06.2010 14.12.2011
[2]	AR080005 (with R. Alassar & M. El-Gebeily)	Translation of Zill's Book: "A First Course in Differential Equations with Modeling Applications".	<b>18</b>	01.03.2010 31.08.2011
[1]	AR090003	Olympiad Problem Book	<b>18</b>	01.12.2008 31.05.2010

❖ **DEANSHIP OF ACADEMIC DEVELOPMENT GRANTS (KFUPM):**

[4]	Online Course: ODEs (with A. Dweik & M.I. Mustafa)	11 months + + one month in Summer	July 2013 27.06.2013 31.07.2014	Completed
[3]	Online Course: Calculus III (with M. Abu-Sbeih & R. Ghanam)	11 months + + one month in Summer	July 2012 01.09.2012 31.07.2013	Completed
[2]	Online Course: Calculus II (with M. Abu-Sbeih & R. Alassar)	11 months	Aug 2009 01.09.2009 31.07.2010	Completed
[1]	Online Course: Calculus I (with M. Abu-Sbeih & I. Al-Rassasi)	11 months + one month in Summer	Aug 2008 01.09.2009 31.07. 2010	Completed

❖ **COMMUNITY SERVICE:**

I developed and presented two educational Video Lessons within the

- [Selfish Drivers: Braess Paradox and Traffic Planning](#)
- [Arabesque Groups, where Art and Mathematics Meet](#)

- **Math Olympiad:** I served as:
  - member of the KFUPM Math Olympiad Scientific Committee (2007 – 2009 & 2011 – 2014)
  - member of the KFUPM Math Olympiad Organizing Committee (2009 – 2010)
  - chairman of the KFUPM Math Olympiad Training & Resources Committee (2009 – 2010).
- **Math Clubs:** I served as chairman of the Math Clubs Committee, grades 10 – 12, KFUPM (since 2010) and as member of the Math Clubs Committee, grades 7 – 9, Scitech (since 2010).
- **COMMITTEES (AT KFUPM):**  
I serve(d) in tens of committees on different levels including the following:

Title	Level	Year(s)	Role
Graduate Council	University	2022-2024	member
University Arabic Books Committee	University	2011/2012 2012/2013	member
University Research Committee	University	2010/2011	member
Academic Improvement Program	University	2005-2008	member
Internal Promotion Committee	University	8 times	member
College of Sciences 2nd Strategic Plan	College	2020/2021	chairman
College of Mathematics and Computing Vision & Mission	College	2021/2022	chairman
Graduate Program Revision Committee	Department	2021/2022	chairman
Students' Advisory Committee	Department	2021/2022	chairman
Graduate Committee	Department	2022/2023	chairman
Graduate Committee	Department	Several years	member
Comprehensive Exam Committee	Department	Several years	member
Recruitment Committee	Department	Several years	member
Research Committee	Department	Several years	member
Textbooks Committee	Department	Several years	member
Ph.D. thesis Committee	Department	2009, 20016, 2018	Advisor
Ph.D. thesis Committee	Department	2016	Coadvisor
Ph.D. thesis Committee	Department	2010, 2016	member
M.Sc. thesis Committee	Department	2019	Advisor