

Curriculum Vitae

Prof. Dr.
Ahmad Abdel-haleem AL-MALABEH
(B.Sc., M.Sc. and Ph.D.)



PERSONAL:

Surname: AL-MALABEH
Full name: Ahmad Abdel-haleem Ahmad
Nationality: Jordanian
Date of Birth: 12/12/1963
Place of Birth: Samar - Jordan
Languages: Arabic (mother language), English and German with little enough Spanish.

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Official Address

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Professional Interest Fields

Major

Applied Mineralogy, Petrology and Volcanology
Industrial Minerals
Environmental Evaluations
Eco- and Geo-Tourism
Natural Reserve Zones (Biotopes and Geotopes)

Environmental and Ecological Evaluations
Applied Mineralogy, Volcanology and Petro-chemistry
Speleology (Caves, Tunnels and sinkholes)

Minor

Water Harvesting and Earth Dams
Arabization of Geographic and Geological Terms

ACADEMIC QUALIFICATION

Sept. 1982 - June 1986 B.Sc. (Honors) degree in Geology. Dept. Earth Environ. Sci., Yarmouk Uni., Irbid.

Sept. 1986 - March 1989 M.Sc. (Honors) degree in Mineralogy and Volcanology. Dept. Earth Environ. Sci., Yarmouk Uni., Irbid, Jordan.

Title of Thesis:

"The Volcanic Succession of Jebal Aritain Volcano, NE-Jordan: A Field, Petrographic and Geochemical Study".

Nov. 1990 - May 1994 Ph.D degree in Mineralogy and Applied Geology, Institute of Geology and Mineralogy, Erlangen Uni. Germany.

Title of Thesis:

"The Volcanology, Mineralogy and Geochemistry of Selected Pyroclastic Cones, from NE-Jordan and their Evaluation for possible Industrial Applications".

PROFESSIONAL EXPERIENCE

Sept. 1986 - Sept. 1989 Teaching & Research Assistant in Dept. Earth Environ. Sci. Yarmouk Uni. Irbid, Jordan.

May 1990 - May 1994 Researcher in Chair of Applied Geology, Institute Geol. Mineral., Friedrich-Alexander Erlangen Uni. Germany.

Sept. 1994– Aug. 1995 Office Manager in Allen Maxwell Company, Cerritos, Los Angeles, U.S.A.

Sept, 1995- Aug. 1996 Instructor in California State Uni., Long Beach, U.S.A

Sept. 1996 - July 2003 Assistant Professor in Dept. Earth & Environ. Sci. Hashemite Uni., Zarka, Jordan.

July 2003– July 2009 Associate Professor in Dept. Earth & Environ. Sci. Hashemite Uni., Zarka, Jordan.

July 2009 – Now **Full Professor in Dept. Earth & Environ. Sci. Hashemite Uni., Zarka, Jordan.**

Sept, 1999 – Sept, 2000	Member in Office of International Affairs, Hashemite Uni. Jordan.
Sept. 2003 – Sept. 2005	Head of Dept. Earth & Environ. Sci. Hashemite Uni., Zarka-Jordan.
Sept. 2004 – Aug. 2005	Vice and Act Dean of the Faculty Natural Resources and Environment.
Sept. 2005 – Sept. 2009	Dean of Queen Rania's Institute of Tourism and Heritage.
April 2011- Now	Director of Center of Environmental Sciences

CO-CURRICULAR PROFESSIONAL ACTIVITIES:

1985 - 1986	President of Student Geological Society. Yarmouk Uni., Jordan.
1984 – 1986	President of Promising Leadership Society. Yarmouk Uni., Jordan.
1983 – 1989	Volunteer and Committee member for General Service Society. Yarmouk Uni., Jordan.
1987 – 1989	Establish member for Graduated Club of Yarmouk Uni. and Jordan Uni. of Science and Technology, Jordan.
2003 - 2004	<i>Chairman of the Organizing Committee of the 8th International Geological Conference, Amman-Jordan</i>
2004 - 2007	<i>Chairman of the Organizing Committee of the 6th Geological Eastern Mediterranean Conference, Jordan</i>
2004 - 2007	<i>Chairman of the Organizing Committee of the 9th International Geological Conference, Amman-Jordan</i>
2009-2012	<i>Chairman of the Organizing Committee of the 15th International Conference of Speleology, Amman-Jordan</i>

UNIVERSITY COMMITTEE

2000 – 2002	Member in in the Promising Leadership Preparation Committee at the Hashemite Uni. Jordan.
1990-2000	Member of The Hashemite University Council.
9/1997-2/1998	Secretary of Faculty of Science and Arts Council.
9/98-9/1999	Secretary of Department of Earth and Environmental Sci. Council.
9/2002 - 9/2002	Consultant of the Environmental Club, Hashemite Uni. – Jordan.
9/2001-9/2002	Secretary of Institute of Land, Water and Environments Council.
9/2005 – 2009	Member of The Hashemite University Council.

CONSULTRAY SCIENTIFIC SERVICES

1996 – 2002	Badia Region Program, Higher Council for Science and Technology. Jordan.
4/2008- 6/2008	Consultancy Services for Amman Heritage Conservation Studies (EOI)- Greater Amman.
1/2008-4/2008	Consultancy- Sabeq Programm [USAID]- Jordan Valley Project

TRAINING COURSES, SEMINARS AND WORKSHOPS

24/9 - 6/10/1990	Training course in “Mapping of Quaternary Sediments and Rotary Drilling Machine”. Hamburg University-Germany.
8/11 - 2/11/1990	Compact course in “Cement Raw Materials”. Muenster, Germany.
1/8-10/8/1991	Compact course in “Isotope Geology and Geochemistry”. Max Blank institute, Mainz-Germany.
1/8 - 11/11/1991	Computer course in “Using of Computer in Geology and Geochemistry”. Erlangen Uni., Germany.
10/6 - 12/6/1991	Computer course in “Using of Computer in Structural Geology”. Erlangen Uni., Germany.
8/2 - 12/2/1993	Compact course in “Geochemistry and Volcanology” under the Supervision of Prof. Dr. Schminke. Kiel Uni., Germany.
3/3 – 17/3/1997	Remote sensing and GIS. Under the supervision of Prof. Yaso (Japanese) The Hashemite Uni. Jordan.
11/5/1997	The 11 th “Seminar of Astronomy”. The Hashemite university. Zarka-Jordan.
3/4/1997	Seminar in “Industrial Rocks in Jordan” Shoman Foundations. Amman-Jordan”.
3-4/ 1998	Instructor in the Training course for teachers of Zarka schools.
12/1998	Instructor in Training course for teachers of Zarka and Amman schools.
2/6-10/2/2000	Workshop of “Honey Bee” Arab United League and Ministry of Agriculture. Jordan.
15/6 - 30/6/2000	Computer course in “Internet Application”. Hashemite Uni., Jordan.
6/7 – 15/7/2001	Compact course in “Volcanology (Maars, Tuff rings and Scoria Cones)”. under the supervision of Prof. V. Lorenz and B. Zimanowski, Wuerzburg Uni. Germany.
15/8-18/8/2001	Training in “Thermobarometry of Ultramafic Xenoliths and Trapped Gases Using Different Software in Mineral Calculations”, Frankfurt-Germany.
2000	Seminar “Tectonic Setting of Jordan and its Environmental Impact”. Jordanian Geologist Association. Mafraq-Jordan.
6/2002	Workshop in “Best Use of Natural Resources in Industry”. Natural Res., Author. NRA, Amman-Jordan

- 16/9/2002 Workshop in “Military Geology”. Natural Res., Author. NRA. Amman-Jordan.
- 22-23/10/2002 Workshop in ‘Geology and Tourism’. Yarmouk Uni. –Irbid Jordan.
- 1/9 -15/9/2008 Compact Mapping Course in Harz Discrit, Darmstadt Uni., Germany.

SOFTWARE EXPERINCE

<i>Programming:</i>	Basic and Fortran
<i>Operating System</i>	DOS, WINDOWS and Netscape (Internet)
<i>World Processors</i>	WordPerfect and Word
<i>Technical Packages</i>	AutoCAD, Harvard Graphics, Corel Draw and Excel.

MEMBERSHIPS:

- Jordanian Geological Association, Amman, Jordan.
- Geo-protection Association, Erlangen-Germany.
- Society of Economic Geologists & Mineral Technologists, Pakistan.
- International Association of Volcanology and Chemistry of the Earth's Interior, Canberra-Australia.
- Member of Society of Friends of Scientific Research at Public Universities in Jordan.
- Member of Jordanian Astronomical Society
- Zarka Culture Society.
- International Union of Speleology (Commission on Volcanic Caves), Netherlands.

GRANTS AND AWARDS:

- 1982–1986 Secondments from the Jordanian government, during the B.Sc. study.
- 1986–1989 Grant from Yarmouk Uni., during M.Sc. study.
- 1990–1994 Grant from DAAD (Deutscher Akademischer Austauschdienst) the German Academic Exchange Service, Germany, during the Ph.D.
- 1986 His Majesty King Hussein Royal Medal of Honors for outstanding B.Sc. students.
- 1986 Yarmouk Uni. Medal of Honors for outstanding cultural activity students.
- 1987 Fullbright scholarship from the US-Arab Relations Foundation, for one month in New York, New Jersey, Washington and Alabama.
- 1989 Yarmouk Uni. Medal of Honors for outstanding M.Sc. students.
- 1989 His Majesty King Hussein Royal Medal of Honors for outstanding M.Sc. students.
- 6 – 9/2001 Grant from DAAD (Deutscher Akademischer Austauschdienst) the German Academic Exchange Service, Germany, during the summer semester (Wuerzburg Uni.).
- 6 - 21/2002 Grant from Frankfurt Uni. During the summer semester.

- 11/2002 The First prize of the Third International Symposium on Economic Geology. Bucharest-Romania.
- 6 – 8/2004 Grant from DAAD (Deutscher Akademischer Austauschdienst) the German Academic Exchange Service, Germany, during the summer semester (Darmstadt Uni.).
- 6 – 8/2006 Grant from DAAD (Deutscher Akademischer Austauschdienst) the German Academic Exchange Service, Germany, during the summer semester (Darmstadt Uni.).
- 7 – 9/2007 Grant from DFG (DEUTSCHE FORSCHUNGSGEMEINSCHAFT) the German Research Foundation, Germany, during the summer semester (Darmstadt Uni.).
- 8 – 9/2008 Grant from DFG (DEUTSCHE FORSCHUNGSGEMEINSCHAFT) the German Research Foundation, Germany, during the summer semester (Darmstadt Uni.).

Internal Supervision (M.Sc's) (Hashemite Uni.)		
M.Sc. Student	Date	Title of the thesis
Al-Zyoud, S.	(2005)	Mineralo-Chemical and Physico-Mechanical Evaluation Of Al-Hashimyia Basalt Flow for Construction Purposes: A Geoenvironmental Study.
Al-Salati, F.	(2005)	Environmental Impacts of Phosphate Beneficiation Processes in Al-Abeid Mine-Central Jordan: Migration and Dispersion of Heavy Metals in the Sediment, Soil and Water Aystems
Al-Dabsheh, I.	(2005)	Mineralogical, Geochemical and Industrial Evaluation of Silica Sand in Al-Dahikiya area, NE-Jordan
Al-Khawaldeh, T.	(2006)	Mineralogical and Industrial Evaluation of Cretaceous Kaolin Minerals from Batn Al Ghul Group, Jabal Al-Harad, South Jordan
Al-Jedaih, M.	(2006)	Estimating Emission Rates for Greenhouse Gases (Ghgs) Emitted from On-Road Motor Vehicles and their Impact on Ambient Air Quality in Jordan
Frehat, M.	(2006)	Environmental And Geological Evaluation of Newly Discovered Al-Hamideyia Lava Tunnel, NE-Jordan; and Their Conservation Possibilities as A Potential Geoptop
Al-Amoush, H.	(2006)	Mineralogical and Geotechnecal evaluation of limestone in Wadi Al-Ghadaf, Jordan
Dagamseh, K.	(2007)	Geotechnical Evaluation of Umm Qays basalts for Construction Purposes
Jaradat, M.	(2007)	Uses of the Jordanian Harrat Basalt Aggregate in the Concrete Mixes, Jordan.
Khaleefeh, E.	(2007)	Mineralogical, Geochemical and Industrial Potential of Chalk in al- Umari - Al-Dahikiya area, NE-Jordan
Nabeel, M.	(2008)	GIS-Based Documentation and Geo-Environmental Assessment of Wadi Zeglab: Natural and Cultural Resources
Abu Mu'lla, F.	(2008)	Engineering Evaluation of Lower Cretaceous Sandstone in Jordan for possible construction applications.
Edwan (Hamdan), R.	(2008)	Geotechnical Evaluation Physical and Mechanical Properties) of Limestone Rocks in Wadi Al-Ish and Ras Al-Ayn, Amman.
Batayneh, E.	(2008)	Engineering Evaluation of Scoria rocks in Mkawer Area/ Central Jordan for Cement Industry
Amin, M. ,	(2008)	Archaeo and Eco-tourism for Qaser Aseikhem and Surrounding Area in Badia Jordanian: A Field Study
Kazezian, L.	(2008)	Eco- and Religious Tourism in the Baptism site of Wadi Al-kharrar and sourrounding areas, Dead Sea, Jordan
Abu Na'meh, R.	(2009)	Evaluation of Daba'a Marble-Central Jordan for Possible Construction Applications.

Hijazeen, M.	(2010)	Determination of Natural Radioactivity Uranium and Potassium Elemental Concentration Soil Samples from Siqwa Area, Central Jordan.
Al-Momani, R.	(2010)	Management and Evaluation of the Tourism Regions in Jordan by Jordan by Using Geographical Information System (GIS), A Case Study: Ajloun Governorate.
AlSamadi, Z.	(2010)	Characterization and Beneficiation of Zicon Minerals Associated with Dubaydib Sandstone Formation, South Jordan
Masa'deh, R.	(2010)	Hummaret Ma'in Proposed Reserve Area, Jordan.
Schaefer, R.	(2010)	Hydrothermal Investigations of Alkaline Hot Springs in Jordan.
A'amer E.	(2011)	Mineralogical, Geochemical and Engineering Properties of Chalk Rocks in North-Jordan: and the Evaluation of the Associated Newly Discovered Decapolis-Yarmouk Tunnel
Obaidat , E.	(2012)	Conservation and Management of Wadi Al-Shallaleh / Northern Jordan Using GIS- Modeling: Cultural and Natural Resources of an Outstanding Mixed Heritage Site
Abu Shanab A.	(2012)	Engineering Surveying Studies of the Hobras – Abila Segment Decapolis Tunnel, Focusing on Stabilization analysis and support design
Al-Quda, L.	(2012)	Radioactivity measurements (U and Th) in soil samples from Al-Sukhneh AreaL Jordan
Jditawi, F.	(2012)	Field Exploration, Mineralogy &Engineering Prosperities of Harrat Quis Volcanic Field and the Associated Lava Tunnels and Pressure Ridge, NE-Jordanian
Damin, M.	(2013)	Engineering Evaluation of Travertine Deposits in Deir Alla Area, Middle Jordan Valley and their Environmental Feasibility Study for Construction Applications
AbuKhalaf, A.	(2013)	Natural Gas Hazard and Its Relations with Enrichment of Selective Low and High Field Strength Trace Elements within Volcanic Region: The Case of the Jabal Remah Volcano, NE--Jordan
Abu_Sada, A.	(2013)	Temporal and spatial analysis of climate change in Jordanian Badia
Al-Mashagbeh, A.	(2013)	Air Quality Impact of Assamra Waste Water Treatment Plant
Frehat, O.	(2013)	Natural and Cultural Resources in Wadi Al-Rayan\North Jordan Using Remote Sensing and GIS-Modeling

Internal Examination Committee (Hashemite Uni.)

1. **M.Sc.-thesis: Moshtaha, R. (2004)** Exploration Geochemistry and Mineralization of the Quraynifat Volcanic Suite Rocks and their Environs in Qa'a Umm Salib, South Jordan. Hashemite University.
2. **M.Sc.-thesis: Ghannam, A., (2005),** Seismicity, Seismotectonics and Sciesmic Hazard Assessment of the Jordan Dead Sea Transform. Hashemite University.
3. **M.Sc.-thesis: Al-Sheraideh, M., (2005),** Assessment of Grouting Efficiency Using Geophysical and Engineering Geological Investigations, Case study: Mujib Dam project, Jordan Valley, Hashemite University Jordan
4. **M.Sc.-thesis: Olimat, W., (2007),** Determine site Effect of Zarqa City and Hashemite University Campus Based on Microtremors Field Measurements-A Microzonation Study, Hashemite University, Jordan.
5. **M.Sc.-thesis: Qaddoumi, N. (2010),** Exploration of Uranium Ores in North Al-Mafraq Area-Jordan by Utilizing Geophysical Techniques.

External Supervision (Ph.D's)

1. **Ph.D.-thesis: Gougazeh, M. (2001)** Kaolin and Feldspar Deposits in Jordan: Characterization, Mining, Benefaction and Upgrading Process Technology, Production and Economic Evaluation for Industrial Utilization. Ph.D.-thesis. Aachen University-Germany.
2. **Ph.D.-thesis: Hasouneh, M. (2002)** Magnetism Anomalies along the Eastern Side of the Dead Sea. Ph.D.-thesis. Wuerzburg University-Germany.
3. **Ph.D. thesis: Abu Ghazaleh, Sh. (2008),** Terraces of Glacial Lake Lison-Dead Sea, Darmstadt University, Germany Co-advisor.
4. **Ph.D. thesis: Al-Zyoud, S. (2008)** Engineering and Goethermal properties of Umm Al-Jamal Basalt, Jordan. Darmshtat University, Germany. Co-advisor.
5. **Ph.D. thesis: Frehat, M. (2010)** Geothermal Energy along the Eastern Side of the Dead Sea, Darmstadt University, Germany Co-advisor.

External Examination Committee

1. **Ph.D.-thesis: Al-Hwaiti, M. (2000)** Geostatistical and Geochemical Investigation on Shidiya phosphorite, Western Orebody, South Jordan: Variation in Ore Composition and its Content of Toxic Heavy Metals Available for Plant Absorption. Ph.D.-thesis. University of Jordan.
2. **M.Sc.-thesis: Abdellatif, F. (2003)** Industrial Evaluation of Feldspar in Saleb Arkosic Sandstone, South Jordan. M.Sc.-thesis. Yarmouk University- Jordan.
3. **M.Sc.-thesis: Sadeq, Ala'a, (2007),** Mineralogy, Geochemistry and Economic potential of Urf Granite in the Vicinity of Wadi Sadr Mulgan, South, West, Jordan. University of Jordan.
4. **Ph.D. thesis: Al-Zyoud, S. (2008)** Engineering and Goethermal properties of Umm Al-Jamal Basalt, Jordan. Darmshtat University, Germany.

EDITORIAL BOARD MEMBER

Journal Name	Editors	Country
SIGMITE	UGP UGC	Pakistan and Canada

REVIEWER OF NATIONAL AND INETERNATIONAL JOURNALS

Journal	Editors	Country	No. Article s
1. Neues Jahrbuch fuer Geologie and Mineralogie	(E. Schwizerbart'sche Verlagsbuchandung)	Geramny	2
2. Dirasat	Uni. of Jordan	Jordan	1
3. Abhath Al-Yarmouk	Yarmouk Uni.	Jordan	16
4. Al-Manarah	Al-al Bayt Uni.	Jordan	1
5. Al-Aqsa	Al-Aqsa Uni.	PNA	1
6. Al-Najah Al-Watanieh	Al-Najah Uni	PNA	1
7. Shuman Foundation	Shoman Foundation	Jordan	2
8. Arab Uni's Union Journal of Art	Art Faculties Scoseity	Jordan	1

COURSES TAUGHT

Course Name	Course Number
1. Introduction to Environmental Sciences	105100
2. - Mineralogy and Optical Mineralogy	105221 105231
3. - Petrology	105332
4. - Igneous Petrology	105111
5. - Practical General Geology (1)	105112
6. - Practical General Geology (2)	801234
7. - Igneous and Metamorphic Petrology	801101 801102
8. - General Geology (1)	801731
9. - General Geology (2)	801794
10. - Building and Construction Materials	801791
11.- Special Topics (Eco- and Geo- Tourism, Natural reserve zone Managements)	2901102 903491
12. - Seminar	
13.- Tourism Industry	
14. -Tourism Seminar	

IMPORTANT CONTRIBUTIONS

Al-Malabeh, A. and Ibrahim, K. (2001) Discovery of Metre-sized Ultramafic Xenoliths in Jabal Ashqaf Volcano, Jordan. 5th Confer. Geochem. Abstr. Band, Alexandria- Egypt. Abstract band, P.20-21.

Al-Malabeh, A. (2002) Discovery of Ultramafic Xenolith Layer in the Tephra Successions of Jabal Aritain-South, Jordan. Inter. Economic Geology Symposium, Bucharest-Romania. Abstract band, P. 5-6.

Al-Malabeh, A. and Ibrahim, K. (2002) Discovery of Lava Tube Systems in Harrat Al-Shaam Basaltic Field, Jordan. GAW-6, Cairo, Egypt. Abstract band, P. 2.

Al-Malabeh, A. (2004) Discovery of Tektites in Valsurbio Dome, north Spain. The 8th International Conference of Jordanian Geologists Association. Abstr. Band p.1, Amman-Jordan.

Al-Malabeh, A., (2005) New discoveries supporting eco-tourism in Jordan. 1st Economic Jordanian Forum. Abstr. Book, P. 6.

Al-Malabeh, A. & Kempe, S. (2005) Newly discovered lava tunnels of the Al-Shaam plateau basalts, Jordan: EUG Geophysical Research. 2:323-334.

Al-Malabeh, A., (2005) Discovery of the supporting eco-tourism in Jordan. 1st Economic Jordanian Forum. Abstr. Book, P. 6.

Al-Malabeh, A. and Kempe, S. (2005) Discovery of the longest lava cave in the Middle east. Al-Fahada Tunnel: Civilization under the earth surface, NE-Jordan.4th inter. Conf. On Sci. & Techn., Amman Jordan. Abstract band. P. 4.

Al-Malabeh, A., (2007) Discovery of the Longest Aqueduct in the world (Water Tunnel): Al-Tura-Umm Qays Tunnel . 2st Economic Jordanian Forum. Abstr. Book, P. 7.

Al-Malabeh, A., (2007) Discovery of a new Umayyed Mosque in Wadi Anogyeh, Azraq area/Jordan. 2st Economic Jordanian Forum. Abstr. Book, P. 87-88.

FUNDED AND SUBMITTED RESEARCH PROJECTS

	Title	Duration	Amount of Funds	Institutes
1.	Study of Volcanic Features in Harrat Al-Shaam: Tuff rings, Pressure Ridges and Ashgaf Volcano.	1/11/1999-16/4/2004	3,875 JD	Hashemite University Jordan
2.	Investigations of Scoria Cones and Volcanic Diatremes in Jordan for Economical, Volcanological and Ecological Purposes.	24 months	43,000 JD	Wuerzburg Uni.-Germany
3.	Geomorphology, Stratigraphy, Sedimentology and Basin Analysis of Northern Badia Region, Jordan.	1/11/1996-2004	17,500 JD	H.C.S.T-Jordan
4.	German-Arabic Project (Petrography, Volcanology, Speleology)	24 months	19,590 Euro	DAAD-Germany SUBMITTED
5.	German-Arabic Project (Petrography, Volcanology, Speleology)	24 months	19,590 Euro	DAAD-Germany SUBMITTED
6.	Novel approach to water purification from organic contaminants	36 months	166,700 Euro	MERC- Switzerland SUBMITTED
7.	Evaluation of Newly Discovered Hashemite University Tunnel in the NE-Jordanian Harrat and Geoconservation as A Portantial Natural Heritage Site.	24 months	6,643 JD	Hashemite University Jordan
8.	Taphonomy, faual distribution and geochemistry of undisturbed caves of Haena hyaena from Jordan in comparison with Upper Pheistocene	24 months	200.000 Euro	D F G-Germany

LIST OF PUBLICATIONS

Prof. Dr. Ahmad AL-MALABEH

Refereed International Periodicals and Proceedings

1. Schultheis, T. and **Al-Malabeh, A. (1992)** Gefuegeuntersuchungen and Truemmercarnallititen der Lagerstaette "Gluekauf" Sondershausen (Truringen). Geol. Bl. NO-Bayern. Heft1-2, 42:127-142, Erlangen, Germany.
2. **Al-Malabeh, A. (1994)** Geochemistry of Two Volcanic Cones from the Intra- continental plateau Basalt of Harra El-Jabban, NE-Jordan. In Basaltic rocks of Various Tectonic Setting, Special Issue of the Geochemical Journal. 28: 542-558, Japan.
3. El-Hasan, T., Komuro, K., Kajiwara, Y. and **Al-Malabeh, A., (2000)** Petrology and genesis of Wadi Dana Cambrian Manganese Deposit in Wadi Araba, Jordan, 5th inter. Conf. On the Geology of Arab World, Cairo Uni. –Egypt. Proceedings, P391- 404.
4. El-Hasan, T., **Al-Malabeh, A.**, Kajiwara, Y. and Komuro, K. (2000) Geochemical Characteristics of Cambrian Manganese Deposits of Central Wadi Araba, South Jordan. Iraqi Journal of Science 24A, No. 3, 1-39.
5. **Al-Malabeh, A. (2001)** Natural Phenomena as Protection Zones. Proceedings of 1st Environmental Cong. Amman – Jordan P. 43-45.
6. El-Hasan, T., **Al-Malabeh, A.**, Kajiwara, Y. and Komuro, K. (2001) Petrology, Mineralogy and Genesis of Wadi Dana Cambrian Manganese Deposit, Central Wadi Araba Region, Jordan. Qatar Univ. Sci. J. 21: 101-117.
7. **Al-Malabeh, A. (2002)** Arabic Terminology of Volcanic Rocks. Arabization, Arab Centre for Arabization, Translation, Authorship & Publication. 23: 147-159.
8. Lataifeh, M., **Al-Malabeh, A.** & El-Hasan, T. (2002) Geochemical and Magnetic Investigations of Al-Lajjun Cenozoic Basaltic Rocks, Central Jordan. Abhath Al-Yarmouk , 11: 337-347.
9. **Al-Malabeh, A.**, El-Hasan, T., Lataifeh, M. & O'Shea, M. (2002) Geochemical- and Mineralogical-Related Magnetic Characteristics of the Tertiary-Quaternary (Umm A-Qutein) Basaltic Flows from the Basaltic Field of Harra El-Jabban, Northeast Jordan. Physica B-Physics of Condensed Matter, Netherlands. Vol. 321 (1-4) 396-403.

10. **Al-Malabeh, A.** and Al-Kharabsheh, A. (2002) Economic Evaluation of Scoria Volcanic Rocks from Northern Badia Region (Basaltic Plateau), Jordan and their possible Use as Construction Materials. Proceeding of Congress in Urban Developments in Arid region & Associated Problems. .3: 173-185..
11. Al-Kharabsheh, A. and **Al-Malabeh, A.** (2002) Water Harvesting in Wadi Al-Maghyer, Azraq Basin-Jordan and its Environmental Impacts. Proceeding of Congress in Urban Developments in Arid region & Associated Problems. .3: 97-106.
12. **Al-Malabeh, A.** (2003) Geochemistry and Volcanology of Jabal Al-Rufiyat, Strombolian Monogenic Volcano, Jordan. Dirasat, Jordan University, 30. 125-140.
13. **Al-Malabeh, A.**, Al-Fugha, H. & El-Hasan, T. (2003) Volcanogenesis of Welded Tephra-Fall Pyroclastic Rocks in Jabal Aritain Volcano, Jordan. Abhath Al-Yarmouk. 12: 345-361.
14. **Al-Malabeh, A.** (2004) Discovery of Ultramafic Xenolith-Rich Layer in the Tephra Successions of Jabal Aritain-South, Jordan. R. J. Mineral Deposits. 12: 23-35.
15. **Al-Malabeh, A.**, Al-Fugha, H. & El-Hasan, T. (2004) Petrology and Geochemistry of Late Precambrian Magmatic Rocks from Southern Jordan. Neues Jahrbuch fuer Geologie und Palaeontologie, 233 (3) 333-350.
16. **Al-Malabeh, A.** & Kempe, S. (2005) Origin of iron ore nuggets (“Bohnerze”) through weathering of basalt as documented by pebbles from the Herbstlabyrinth, Breitscheid-Germany. – Acta Carsologica 34 (2): 459-470.
17. Ibrahim, K. and **Al-Malabeh, A.** (2006) Geochemistry and Volcanic Features of Harrat El Fahda, A young Volcanic Field in Northwest Arabia, Jordan. Journal of Asian Sciences. Vol. 127(2):127-154.
18. Kempe, S., **Al-Malabeh, A.**, Al-Shreideh, A., Henschel, H.-V., (2006) Al-Daher Cave (Bergish), Jordan, the first extensive Jordanian Limestone Cave: A convective Carlsbad-type cave? – J. Cave and Karst Studies. Vol. 68 (3): 107-114.
19. Kempe, S., **Al-Malabeh, A.**, Döppes, D., Frehat, M., Henschel, H.-V. & Rosendahl, W., (2006) Hyena Caves in Jordan. School of Geology, Aristotle Univ. of Thessaloniki, Spec. Vol. 98: 59-70.
20. **Al-Malabeh, A.**, Frehat, M., Henschel, H.-V. & Kempe, S., (2006) Al-Fahda Cave (Jordan): the longest lava cave yet reported from the Arabian Plate. - Proc. 12th Intern. Symp. on Vulcanospeleology, Tepotzlán, Mexico, 2-7 July, 2006, Assoc. for Mexican Cave Studies,

Bull. 19 and Societed Mexicana de Exploraciones Subterráneas Bol. 7: 201-208.

21. Kempe, S., **Al-Malabeh, A.**, Frehat, M., & Henschel, H.-V., (2006) State of lava cave research in Jordan. - Proc. 12th Intern. Symp. on Vulcanospeleology, Tepotzlán, Mexico, 2-7 July, 2006, Assoc. for Mexican Cave Studies, Bull. 19 and Societed Mexicana de Exploraciones Subterráneas Bol. 7: 209-218.
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