



Curriculum Vitae

C1. Personal Information

Name: Sobhi Jaber Yousif Nasir
Date of Birth: 11.07.1954
Place of Birth: Rafah /Gaza strip
Nationality: (Jordan)

Sultan Qaboos University
Director; Earth Sciences Research Centre
sobhi@squ.edu.om
Tel: 92314870

C2 Education and Employment Information

C2.1 Education

Degree	Year	University
BSc. Geology & Mineralogy	June 1978	Jordan
MSc. Metamorphic rocks/Mineralogy	Feb. 1981	Jordan
PhD. Mineralogy/Geochemistry	May 1986	Wuerzburg / Germany

C2.2 Employment Information

September 2014-Present Director. Earth Sciences Research Centre, SQU, Oman
August 2008- August 2013 Head of Department, Sultan Qaboos University, Oman
Sept 2004 –August 2008 Prof. Sultan Qaboos University, Oman
Sept 1996- August 2004: Qatar University, Qatar
Sept. 1992-August1996: UAE University, United Arab Emirates
August 1987-August 1992: Yarmouk University, Jordan
1986-1987: Research assistant: University of Wuerzburg, Germany
1981-1982: Lecturer: King Saud University, Saudi Arabia
1978-1981: Teaching and Research Assistant, University of Jordan

C3. Awards, scholarships and Recognition

- 1- First degree honor award: BSc- University of Jordan 1978
- 2- First degree honor award: MSc- University of Jordan 1981
- 3- 1982-1986: PhD Scholarship: DAAD (German academic exchange)
- 4- 1991 and 1995 Certificate of Distinction in Research: Syrian Higher Council of Science, Syria
- 5- June-September 1993: Research Scholarship at the Department of Terrestrial magnetism and Geochemistry, Carnegie Institute of Washington, USA
- 6- 1996: Certificate of Distinction in Teaching and research: Faculty of Science, United Arab Emirates University
- 7- 1990, 1994, 1998, 1999, 2002, 2007 : DAAD Short Research Scholarships
- 8- Best Researcher Award, SQ University, May 2010
- 9- Best Research Paper, SQU Science Journal 2010
- 10- Best College researcher (College of Science, SQU) 2012
- 11- Best Researcher SQU University Day 2014

C4 Teaching

C4.1 Instruction

Gemstone, Geology I and II, Geochemistry, Mineralogy I, Mineralogy II, Igneous & Metamorphic Petrology, Field Mapping Project, Graduation Project. Economic Geology, Meteorites. Introduction to Environmental Sciences, Environmental Geology, Desert, Isotope Geology, Mining Geology, Seminar, Environment Impact Assessment, Special topics, Ore microscopy, Advanced petrology, Phase petrology, Isotope Geology, Phase Petrology, Earth System.

C4.2. Supervision of Student Research Projects

PhD-Supervision: 2 students (one at SQU 2009):

- 1- Mariam Al-Yousif (1997-2003): Mineralogy and geochemistry of Umsaid and Dukhan Sabkhas, Qatar.
- 2- Carine Grélaud: 2009 The benefits of outcrop analogue studies for the understanding of an oil field: – Example of the Fahud Field, Oman (Sultan Qaboos University)

MSc-Supervision: 25 students (one at SQU 2013: Donna Abu Rabia)

PhD and MSc-examination Committee: chairing 25 MSc and PhD examination committees
BSc graduation projects (6 credit hours): Supervisor: more than 100 students: 15 at SQU 2008-214

- 1- Ali Alzijali :33846/01: Mineralogy and Petrography of Lamprophyric Plugs in the Relah arwa, Eastern Oman
- 2- Abdullah Said Salem Al-Hkmani 33846/01: Petrology, Petrography and Geochemistry of Kimberlite Dykes at Musawa Area
- 3- Mohammed Said Salem Al-Hkmani 33842/01 Petrology of Kimberlite at Aseelah Area, Eastern Oman

- 4- Ahmed Mohammed Salim Al-Belushi: ID# 34400: Magnetic study over Al-Ashkharah kimberlites
- 5- Amer Khalfan Al-Sarhani ID# 35576: Gravity study over Al-Ashkharah kimberlites
- 6- Hashem Al Farsi 70870
- 7- Younis Al Bosaidi 70706
- 8- Hamad Said Rashid Almkheini 90723: Meteorite of Oman
- 9- Ahmed Mohemd Al-Blushi:
- 10- Ahmed Al Ghanbusi :
- 11- Ismail Al Dahili 69619
- 12- Abdulsamed Al-Rawahi 33271
- 13- Mohemd Al Abri 34703
- 14- Ruqia Al Riomy 92711
- 15- Rajaa Al Hashmi 93968

C4.3. Curriculum Development and Teaching Management:

- Designed and taught a new University elective course ERSC 1006: Gemstone and wrote a text book for this course
- Redesigned the Mineralogy I and II courses (ERSC 3001, 3301) and the Igneous and Petrology Course (ERSC 4016) into new courses; Mineralogy 1 (ERSC 3010), Igneous Petrology (ERSC 3051) and Metamorphic Petrology (ERSC 4012) for the new degree plan 2006-2010)
- Designed a new elective course: Advanced Petrology (ERSC 5021)
- Assisted in redesigning the geochemistry course (ERSC 4031), and Economic Geology
- Assisted in the designing the plan for the MSc courses in Petroleum Geology
- Assisted in writing the strategic plan (2006-2010) of the Department and the College

Qatar University

Chaired the Committee of MSc degree and prepared designed the curriculum of the MSc program in Environmental Sciences.

Designed and prepared the new degree in Earth and Environmental Science

Advisor for the 4th year geology students

Advisor for the MSc students

United Arab Emirates University

Updating the new courses of Mineralogy and optical mineralogy

Advisor for 2nd year students

Yarmouk University-Jordan

Designed the Mineralogy, petrology and geochemistry courses at the undergraduate and graduate level. Advisor for 3rd year students

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C4.4. Student Advising

- Advisor for Earth Science Major, 1987-present (various universities)
- Advisor for the Geo-Group Students (2005-2006)
- Advisor for Science Pre-major 2007 to present

C5. Services: Sultan Qaboos University

C5.1. University administration and Committee

Director 2014 present

- HoD starting from 31 August 2008 –August 2013
- Acting head of Department (HOD) for several months during the period 2004-2008
- Acting Dean (July-August 2009, July-August 2010)

Department:

- a- Committee of budget and equipments (coordinator)
- b- Committee of X-ray suit (Coordinator)
- c- Committee of research and consulting (Coordinator)
- d- Committee of appointment
- e- Committee of promotion
- f- Department Website (Webmaster 2004-2007)
- g- New Building committee
- h- Several Ad and Hoc committees

College

- a- Committee of promotion
- b- Committee of new college building
- c- Committee of central analytical and applied research facility
- d- Committee of research and consulting strategy
- e- Committee of capital equipments
- f- Strategic Plan Implementation committee
- g- University Day Committee
- h- Committee of Museum (Chairman)
- i- Several Ad and Hoc committees

University

Designed, established, and supervise the Museum of the College of Science and prepared guiding booklets (English and Arabic) for the Museum.

Construction and building a dinosaur statue (20 m long, 4 heights)

Guiding VIP visitors and visiting guests, students, colleges and schools in the Museum of Geology. Committee of Master of Environmental Science (Chairman), scanning

electron microscope, public relation, budget and equipment (Chairman)

study tables, Employment , University Evaluation, study plan (Chairman)

Industrial and Society relationships

Faculty club

Technical for seismic

External Committees: Committee of gypsum quarries in Qatar: Environmental Impact assessment, Supreme Council of Environment, Committee of Environmental education in school. Council of higher education. Committee of Geological Society of Oman: Al-Hutta Cave project. Committee of investigation geological hazards at the Auina and Tuwi areas (Ministry of Housing, Ministry of Interior). SQU-Ministry of Commerce National Committee, SQU-Ministry of Oil and Gas Committee, Ministry of Foreign Affairs

Scientific Advisory Committee, the Oman Mountains Atlas Office of the Advisor to H.M. the Sultan for Economic Planning Affairs, Encyclopedia of Oman 2013

C5.2. Professional Services

C5.2.1 Editorial Board

2013-present: International Geology Review, Taylor & Francis

2013-present: Journal Geoscience Reports, Herbert Publication

2006- present: Scientific Research and Essays (SRE), Academic Journals
2008-present: Al-Manhal Magazine Advisory Board (PDO-Oman)
1990: Editorial board of the scientific book: "Coal" Elsevier, Amsterdam Publ. Co.
1987-1989: Editorial board of Magazine of the Yarmouk University

C5.2.2- Article reviewing: Reviewer for several local, regional and international Journals

2015:Afr. J. Earth Sci
2015: Two papers Lithos
2014: Two papers Lithos
2014: One paper: Precambrian Research
2014:One paper, Arabian J Earth Sci
2014: One paper Journal of microscopy
2014: One paper, Afr. J. Earth Sciences
2013: One paper : Journal of Microscopy
2013: Two papers Lithos
2013: One paper Aeolian Research
2013: One paper Pre-Cambrian Research
2013: One paper J. Applied Clay Science
2013: One paper Geol. Soc. London
2013: : One papers: Journal of Asian Earth Science
2012: One Paper J. Volc. & Geotherm. Research
2012: One Paper Arabian Journal of Geosciences
2012: One paper for J. Environmental Monitoring and Assessment
2012:Two papers Lithos
2011: three papers : Lithos
2011: One paper : Geol. Mag
2011: : one papers: Journal of Asian Earth Science
2011: one paper : Cretaceous Research
2011: one paper: J. Volc. & Geotherm. Research
2010 two papers for the Journal Lithos
2010: one paper for the Int. J. Ore Geology Rev.
2010 : one paper for the Journal GeoArabia
2010: one paper for Arabian Journal of Geosciences
2010: A book “ Petrogenesis of metamorphic rocks” ; King Abdulaziz University, KSA.
2009: one paper for the Journal Earth Planetary Science Letters
2009: one paper for the Journal Computer and Geosciences
2008: two papers for the Journal Lithos
2008: one paper for the Journal Ore Geology
2008: on paper for the Journal of Atmospheric environment
2008 one paper for the Jordan Journal of Earth and Environmental Sciences
2008 : two papers for J. Environmental Monitoring and Assessment
2007: one paper: Bulletin of the Geological Society of Greece
2007: one paper: International Journal of Ecology and Development (IJED) (Russia)
2007: two-research proposal: Department of Research, Sultan Qaboos University
2006: two papers: Journal of Environmental Impact Assessment (USA)
2006: two papers: Scientific Research and Essays (SRE) International Journal
2005: two papers: Journal of Asian Earth Science (Elsevier, Amsterdam)
2005: one paper: Journal of Environmental Impact Assessment
2004: two papers: Journal of African Earth Science

2003: two papers: International Journal of Environment and Pollution (USA)
2003 two papers: Journal of Gulf industrial Cooperation (Qatar)
2002: one paper for J. International Env. Sci. (USA)
2000-2001: two papers for J. Nature Wissenschaften (Germany)
1998: two papers for Journal of African Earth Science
1995: six papers for the Journal of the Faculty of Science, Qatar University
1994: two papers for Dirasat Journal , University of Jordan
1993: three papers for the Yarmouk Science Journal
1992: three papers for Mu'tah Journal of Science

C.5.2.3. Promotion Reviewer: reviewing of 10 promotion applications at SQU, Saudi Uni, Jordan Uni

C.5.2.4. Membership in Professional Organizations:

- 1-European Mineralogical Union EMU (section: Mineralogy/Geochemistry): Member 1994-present
- 1- German Mineralogical Society DMG 1984-present
- 2- European Mineralogical Society: 1999-present
- 3- International Association of structural/tectonic Geologists (IASTG) 1992-present
- 4- American Geophysical Union: 1994-2002
- 5- American Mineralogical Society 2000 to 2006
- 6- New York Academy of Science: 1994-2004
- 7- Alfred Wagner Society: 1996-present
- 8- EAGE: European Association of Geoscientist & Engineer: 2007 to present
- 9- Meteoritical Society

C.5.2.5 Ongoing International Collaborations and Research projects

Collaborating University	Title of research project	Start date of project	End date of project	Name of collaborator(s)
Stuttgart/Germany	Kimberlite in Eastern Oman	2005	2011	H. Massonne, Dr. T. Theye
Queensland University	Kimberlite in Eastern Oman	2002	2009	K. Collerson
Australia, Macquarie University	Kimberlite of Oman	2006	2009	William Griffen Elena Bolousova
Mineral Resources of Tasmania	The lithosphere beneath Tasmani, Australia	2008	2011	Marcus McClenaghham John Everard Mike Worthing
University of Edinburgh, UK	Neoproterozoic of Eastern Oman: paleomagnetis	2009	2010	Jennifer Tait, Chris Rowan
The University of Texas at Dallas	Arabian Basement and Mantle xenoliths	2008	2011	Robert Stern
Shizuoka University, Japan	Arabian Basement and Mantle xenoliths	2008	2011	Katsuyoshi Michibayashi
Erlangen – Nuerenberg University/ Germany	Industrial Minerals of Oman	2009	2011	Matthias Goeble
Columbia University	Hydrothermal alteration of the Semail ophiolite	2008	On going	Peter Kelemen
Australia, Macquarie University	Osmium Isotope of Arabian Mantle xenoliths	2009	2010	William Griffen
Alberta University Canada	The meteorites of Oman	2011	On going	Graham Pearson, Christ Herd
Western Ontario University	Impact craters and Meteorite of Oman	2012	On going	Neil Branwig, G. Osinski; Phillip McCausland

C.5.3. Service to the public

C5.3.1. Consultancy

(Oman)

1990: Arab Mining Company, Amman, Jordan: Exploration of dunite in the volcanic rocks in Jordan

1993: Cement Factory, Al-Ain, UAE. Exploration for suitable cement raw materials in the UAE.

1994: Al-Fujaira Emirate: geochemical investigation and exploration of chromite within the Semail ophiolite, Al-Fujaira Emirate.

1995: Ministry of Health: Chemical and Mineralogical Investigation of Urinary stones in the UAE.

1995: Arab Mining Company: Mineral resources in the UAE.

1997: Gulf Industrial Consulting Organization, Doha, Qatar: Dolomite occurrences in Qatar

1998: Qatar Industrial Company: Industrial raw materials in Qatar: Gypsum, Clay and carbonates

1998: Municipality of Doha: Geochemical analysis of soil in Qatar

1999: Center of Applied Science, Qatar: Geochemical and Mineralogical investigation of gold-bearing granites

2000: Qatar Industrial Company: Mapping of gypsum occurrences in Qatar, Mapping of soil in Qatar

2001: Municipality of Doha: Aggregates and construction stones in Qatar

2002-2003: Supreme Council of Environment, Qatar: Gypsum occurrences and quarries in Qatar

(Env. Impact Assessment) Ministry of Municipality; Deep water project

2004-present: Consultancy to several mining and quarry companies in Oman

2005: Participation in a TV program for 90 minutes: "Economic Vision": Mineral Industry in Oman

2005: Preparing a full day workshop for the Science teacher at the Ministry of Education, on rocks and minerals.

2006: Writing 4 articles on the geology, minerals, caves, research in Oman

2006: Guiding several field trips for preliminary school student, visiting academics to the different parts of Oman

2007: writing report for the Omani court on the quality of two imported marbles

2007: Helping the 10th class students at the Said El-Khalili School to study the rocks at Al-Khod area.

2007: Preparing a full day workshop on kimberlites of Oman at the Ministry of Commerce,

2007: Workshop on rocks and mineral: Bahjet Al-Anwar School

2007: Workshop on rocks and mineral: A'Aesha Al-Rasbiah School

2007: Workshop on rocks and mineral: Yanabeea Al-Alem School

2007: Workshop on rocks and mineral: Al-Ebda'a School

2007: Workshop on Geology program at SQU: Students from Sohar University

2007: assisting the General Police Directorate of Oman to investigate some suddenly exploded Geysers in Sur area, eastern Oman

2007: petrographic description of 20 samples for AMOL-Oil Company, Oman

2008: Workshop on geology for 40 students from the Science club, Ministry of education

2008: Identification of 20 Rock samples for Ore minerals: National Mining Company

2008: Reporting on the case of Rock fall at Al-Auina Village. Ministry of Housing

2008: petrographic description of 10 samples for the Gypsum Company, Oman

2009: Evaluation and reporting the case of Rock fall at the Tuwi village. Ministry of Interior

2010: Evaluation and reporting on the Geology of the Khiran area. Ministry of Tourism

2010 : Evaluation and reporting on the mineralogy of clay used in Poetry industry.

2010 : Evaluation and reporting on Rock fall in Jebel Semhan area, Dhofar. Ministry of Environment

2010: 6/11/2010 Workshop on rocks and mineral: Seija School Semail

2010: December: Workshop on rocks and mineral: Aisha Masoud Al Ameria school-Muscate

2011: Petrographic description of Marble: Gulf-Stone Company

2012: Aggregate classification: Astladar Co.

2013: Aggregate classification: Galfar Redaymix

C.5.3.2. Seminars:

Local:

More than 150 seminars at the level of the Departments, Faculties and universities as well as invited speakers in conferences, schools, centers, clubs, TV and Radio in Jordan, UAE, Qatar and Oman

International

One seminar at the Department of Terrestrial Magnetism, Carnegie Institute of Washington, July 1993.

One Seminar at the Institute of Mineralogy: Köln University (1996)

One Seminar at the Institute of earth science, Southampton University, UK. 1999.

One Seminar at the University of Kuwait (2002)

Two Seminars at the Institute of Mineralogy: Stuttgart University Germany (2004, 2007)

Two seminars: Western Ontario University October 2012

Two seminars Colombia state University one seminar September 2012

One Seminar at the Institute of Mineralogy: Hannover University (2014)

C.5.3.3 Computer Skills:

Published programs: PTOXY, PERIDOT, FERRIC in Computer & Geoscience

Unpublished programs: CIPW, Sednorm, Formulae, Cement, Pyroxene, Minoptic, Chondrite,

Good knowledge with: drawing programs, surfer, neopaint, psp, digitizer, Rockware, freehand

Good knowledge with all versions of windows, Excell, geobasic, turbobasic, C-language.

C.5.3.4. Experience with analytical equipments and methods

AAS, XRF, XRD, SEM, EM, ICP-MS, FM, Gamm-Ray spectrometer, Infra-red, BIMA,

Ultraviolet, and dissolution methods. Magnetic separation, Heavy Minerals, Microscopy,

Mössbauer and stable and radioactive isotope analyses.

Recognition of minerals using multispectral remote sensing data: A case study in Sultanate of Oman

C. 6. Research Publications

C.6.1. Refereed International Journal papers

C.6.1.2 Published papers

- 1- Rajendran S, **Nasir S** (2015): Mapping of Moho and Moho Transition Zone (MTZ) in Samail ophiolites of Sultanate of Oman using remote sensing technique, **Tectonophysics** **657,63-80**
- 2- Rajendran S, **Nasir S** (2015): Mapping of high pressure metamorphics in the As Sifah region, NE Oman using ASTER data. **Advances in Space Research** **55/4**, 1134–1157
- 3- Stern, R.J., Minghua, R., Kamal, A., Safarjalani, A., **Nasir, S.**, Whitehouse, M., Leybourne, M. (2014) ~350 Ma Rift-related crust beneath southern Syria: Tales from Tell Thannoun. **Earth Planet. Sci. Lett.** 393, 83-93.
- 4- Rajendran S, **Nasir S** (2014) Hydrothermal altered serpentized zone and a study of Ni-

- magnesioferrite-magnetite-awaruite occurrences in Wadi Hibi, Northern Oman Mountain: discrimination through ASTER mapping. **Ore Geology Reviews** . 62,211-226
- 5- Rajendran S, **Nasir S** (2014) Recognition of minerals using multispectral remote sensing data: A case study in Sultanate of Oman. **SQU Journal for Science**, **2014**, **19(2)**,
 - 6- Rajendran S, **Nasir S.**, Koisky, T., El Khirbash, S. (2014) Remote sensing based approach for mapping of CO₂ sequestered regions in Semail Ophiolite Massifs of the Sultanate of Oman. **Earth Sci. Review** 135, 122-140
 - 7- Rajendran S, **Nasir S** (2014) ASTER Spectral Sensitivity of carbonate rocks - Study in Sultanate of Oman. Elsevier. **Advances in Space Research** 53/4, 656-673
 - 8- Rajendran S, **Nasir S.** (2014) ASTER mapping of limestone formations and study of caves, springs and depressions in parts of Sultanate of Oman. Springer. **Environmental Earth Sciences** 71:133-146.
 - 9- Salah Al-Khirbash, Khadija Semhi, Laurent Richard, **Sobhi Nasir**, Abdulrahman Al-Harthy (2013) Rare earth element mobility during laterization of mafic rocks of the Oman Ophiolite. *Arabian Journal of Geoscience* 7/12, 5443-5454 DOI: 10.1007/s12517-013-1189-6
 - 10- Rajendran S, **Nasir S.** (2013). Mapping of manganese potential areas using ASTER satellite data in parts of Sultanate of Oman. **International Journal of Geosciences and Geomatics**. 1/2, 92-101.
 - 11- Kelemen, P. Al Rajhi, A., Godard, M. Ildefonse, B., Köpke, J., MacLeod, C., Manning, C., Michibayashi, K., **Nasir, S.**, Shock, E., Takazawa, E., Teagle, D. (2013) Scientific Drilling and Related Research in the Semail Ophiolite, Sultanate of Oman. Copernicus Publications. **Scientific Drilling Journal**, 15 march, 64-71
 - 12- Rajendran S, **Nasir S.** (2013) ASTER spectral analysis of ultramafic lamprophyres (carbonatites and aillikites) within the Batain Nappe, northeastern margin. Taylor & Francis. **Intern. J. Remote Sensing**, 34/8, 2763-2795
 - 13- Rajendran S, **Nasir S.** (2013): Aster detection of mineralized zones in listwaenite Semail ophiolite massifs of the northern Oman mountains: exploration strategy. Elsevier. **Ore Geology Reviews**, 53,470-488
 - 14- Massone, HJ, a., Joachim Opitz, Theye, T. **Nasir, S.** (2013) Evolution of a very deeply subducted metasediment from As Sifah, northeastern coast of Oman. Elsevier **Lithos**. 156-159:171-185
 - 15- Erik R. Seiffert E. **Nasir, S.** , Al-Harthy, A. ., Groenke, R Kraatz, P., Stevens N. , Al-Sayigh A. (2012) Diversity in the later Paleogene proboscidean radiation: a small barytheriid from the Oligocene of Dhofar Governorate, Sultanate of Oman. **Naturgeowissenschaft**. 99,133-141
 - 16- Michibayashi, K Kusafuka, Y., Satsukawa, T and **Nasir, S**, (2012) Seismic properties of peridotite xenoliths as a clue to imaging the lithospheric mantle beneath NE Tasmania, Australia. Elsevier. **Tectonophysics**, 522-523,218-223.
 - 17- **Nasir, S.** Stern, R. (2012): Lithospheric Petrology of the Eastern Arabian Plate: Constraints from Al-Ashkhara (Oman) xenoliths. Elsevier **Lithos** **132**, **98-112**
 - 18- Rajendran, S. Al-Khirbash, S., Pracejus, B **Nasir, S.** Al-Abri, A., Timothy M. Kusky, M., Ghulam, A (2012). Aster detection of chromite bearing mineralized zones in Semail ophiolite massifs of the northern Oman mountains: exploration strategy. Elsevier. **Ore Geology Reviews**, **44**, **121-144**

- 19- **Nasir, S.**, Salah Al-Khribash, Hugh Rollinson Abdulrahman Al-Harthy Abdulrazak Al-Sayigh, Ali Al-Lazki, ., T. Theye, H.J. Massone E. Belousova F (2011). Petrogenesis of ultramafic lamprophyres and carbonatites from the Batain Nappes, eastern Oman continental margin. Springer. **Contribution to Mineralogy and Petrology** **161**, 47-74
- 20- Anne S. Schulpe, A. Belvedere, M., **Nasir, S.** & Wheeler., M. (2011) An artiodactyl tracksite at Musandam Peninsula, Sultanate of Oman. **Ichnos** **18**, 192-196.
- 21- Godard, M., Kelemen, P., **Nasir, S.**, and Teagle, D., 2011, WORKSHOP REPORT: Geological carbon capture & storage in mafic and ultramafic rocks; IODP/ICDP Workshop on the role of oceanic and continental scientific drilling, <http://ccs-oman2011.org/>.
- 22- **Nasir, S. J.** . Everard, J., McClenaghan, MP., Bombardieri, D., M. A. Worthing, MA. (2010). The petrology of high pressure xenoliths and associated Cenozoic basalts from Northeastern Tasmania. Elsevier. **Lithos** 118, 35-49
- 23- Al-Safarjalani, A., **Nasir, S.**, Fockenber, T., Massonne, H.J., (2009) Chemical composition of an intermediate part of the lower crust beneath southwestern Syria. Elsevier. **Chemie der Erde-Geochemistry**, **69:359-375**
- 24- **Nasir, S.**, Rollinson, H. (2009). The nature of the subcontinental lithospheric mantle beneath the Arabian Shield: mantle xenoliths from southern Syria. Elsevier. **Precambrian Research** **172**, 323-333
- 25- **Nasir, S** (2009) Multiphase mineral inclusions in ferrikaersutite megacrysts: Implications for post-magmatic alteration of the kaersutite host. **SQU Journal For Science** **14**, 25-43.
- 26- **Nasir, S** , Theye T.and Hans-Joachim Massonne (2009) REE-rich aeschynite minerals in Tertiary apatite-dolomite carbonatite, eastern Oman Mountains **Open Journal of Mineralogy** **3**,17-27
- 27- Al-Rawas, A., **Nasir, S.**, Gismelseed, A., (2008) ⁵⁷Fe Mössbauer spectroscopy study of phlogopite megacrysts from an evolved carbonatitic kimberlite in the northeastern Oman Mountains. Springer. **Hyperfine Interaction** **186**, 147-151
- 28- Worthing, M., **Nasir, S.** (2008): Cambro-Ordovician potassic (alkaline) magmatism in central Oman: Petrological and geochemical constraints on petrogenesis. Elsevier. **Lithos** **106**, 25-38 (corresponding author)
- 29- **Nasir, S.**, Al-Saad, H., Al-Saiygh, A., Weidlich O. (2008): Geology and Petrology of the Hurmoz Dolomite, Infra-Cambrian: Implications for the formation of the salt-cored Halul and Shraouh Islands, Offshore, State of Qatar. Elsevier. **J. Asian Earth Sci.** **33**, 353-365
- 30- Al-Sayigh, A., **Nasir, S.** (2008): The first record of Arsinoitherium from Oman: Paleogeographic implication. Elsevier **Paleoworld** **17**, 1-7.
- 31- **Nasir, S.**, Al-Saiygh, A., Safarjalani, A., (2007): Sedimentology of the Hofuf Formation, Eastern Province of Saudi Arabia. **N. Jahrbuch fuer Geologie und Pal. Abh.** 243, 325-342
- 32- **Nasir, S.**, Al Harthy, A., Al Sayigh, A., Al-Khribash, S., Al-Jaaidi., O, Musllam, A., Al-Mishwat, A, Al-Bu'saidi, S. (2007): Mineralogical and geochemical characterization of listwaenite from the Semail Ophiolite, Oman. **Chemie der Erde (Geochemistry)** **67**, 213-228
- 33- **Nasir, S.** Rawas, A. (2006): Mössbauer characterization of upper mantle ferrikaersutite. **American Mineralogist.** 91, 1163-1193
- 34- **Nasir,, S.**, Al-Saiygh , A., Al Harthy, A., Lazki, A. (2006): Geochemistry and petrology of Tertiary volcanic rocks and related ultramafic xenoliths from the central and eastern Oman Mountains. **Lithos**, Vol 90/3-4 pp 249-270
- 35- Dill, H.G. R. Botz, R., Z. Berner, Z., D. Stüben, D., **Nasir S.**, and H. Al-Saad, H., (2005). Sedimentary facies, mineralogy, and geochemistry of the sulphate-bearing Miocene Dam Formation in Qatar. **Sed. Geology**, 174/1-2, 63-96

- 36- **Nasir, S. (2004):** Identification of high quality limestone in some part of the State of Qatar for industrial uses. **J. Industrial Cooperation in the Arabian Gulf** 95, 20-48
- 37- **Nasir, S. (2004):** Chemistry and mineralogy of cement and cement raw materials in the Arabian Gulf region: Examples from the United Arab Emirates. **J. Industrial Cooperation in the Arabian Gulf** 94, 31-50.
- 38- Sadooni, F., Al-Saad, H., and **Nasir, S. (2004):** Halul and Sharouh islands, offshore Qatar: remnants of the great Infracambrian Hormuz salt basin. **Carbonate and Evaporite** 19; 149-159. USA
- 39- Al-Mishwat, A. **Nasir, S. (2004):** Composition of the lower crust of the Arabian Plate: a xenoliths perspective. **Lithos** 72, 45-72
- 40- Al-Safarjalani, A., **Nasir, S.**, Moutym N. (2004) Petrographical and geochemical study of basic and ultrabasic xenoliths associating the Quaternary alkali basalts of the Shamah volcanic fields (southwest Syria). **Scientific Journal of King Faisal University**, 5/1;1-41
- 41- **Nasir, S**, Hamad Al-Saad, Abdul Razak Al-Sayigh, Abdul Rahman Al-Harthy (2003). Ferricretes of the Early Tertiary Dammam Formation in the Dukhan Area, Western Qatar: mineralogy, geochemistry and environment of deposition **Qatar J. Science**, 23, 55-70
- 42- **Nasir, S.**, Al-Saad, H., Sadooni, F. (2003): Chronostratigraphy and geochemical characterization of volcanic rocks from the Hormuz Complex: constraints from the Halul Island, the State of Qatar. **N. Jb. Geol. Palaeont. Abh.** 230, 49-66
- 43- **Nasir, S.**, Hanna, S., Al-Hajari, S., (2003): The Petrogenetic Association of Carbonatite and Alkaline Magmatism: Constrains from the Masfut- Rawda Ridge, Northern Oman Mountains. **Mineralogy & Petrology** 77:235-258
- 44- Dill, H., **Nasir, S.**, Al-Saad, H. (2003): Lithological and structural evolution of the northern sector of the Dukhan Anticline, Qatar, during the early Tertiary: With special reference to bounding surfaces of sequence stratigraphical relevance. **GeoArabia** 8/2, 201-226
- 45- Al-Saad, H., **Nasir, S.**, Sadooni, F., Al-Sharhan, A. (2002): Stratigraphy and sedimentology of the Hofuf Formation in the State of Qatar in relation to the tectonic evolution of the East Arabian Block. **N. Jb. Geol. Pal. Abh.** 7:426-448
- 46- Sadiq A., **Nasir S. (2002):** Middle-Miocene Karst evolution in the State of Qatar, Arabian Gulf. **Journal of Cave and Karst Science**, 64/2: 132-139 (USA). (corresponding author)
- 47- **Nasir, S.**, Kassas, I., and Sadiq, A. (2000) : Mineralogy and Genesis of Heavy Minerals in Coastal Dune Sands, South Eastern Qatar. **Qatar Univ. Sci. J.** 19/1: 223-230
- 48- **Nasir, S.**, and Safarjalni, A. (2000): Lithospheric petrology beneath the northern part of the Arabian plate in Syria: evidence from xenoliths in alkali basalts. **J. Afr. Earth Sci.** 30/1:149- 168
- 49- **Nasir, S.** Shereef, A. Qasem, M.A., and Fattah, .T. (1999): Physico-chemical investigation of Urinary stone from the Arabian Gulf: examples from Qatar. **Oxford Res. Forum J.** 1:39-47
- 50- **Nasir, S.** (1999): The Mineralogy and Chemistry of Urinary stone from the United Arab Emirates. **Qatar Univ. Sci. J.** 18, 189-202.
- 51- **Nasir, S.**, & Musalem A. (1998): Schorl Tourmaline from the Khour Fakkan massif, Semail Ophiolite. **Chemie der Erde (Geochemistry).** 58 :187-195
- 52- **Nasir S.**, and Kelmd, R. (1998): New carbonatite occurrences within the Semail ophiolite, Hata transform zone, Northern Oman Mountains. **J. Afr. Earth Sci.** 22: 56-75
- 53- **Nasir, S.**, & Okrusch, M. (1997): Metabasites from the Central Vor-Spessart, North-West Bavaria Part 2: Comparison of different geothermometers and geobarometers. **Chemie der Erde (Geochemistry).** 57, 25-50

- 54- **Nasir, S., (1996):** Peridot : A turbo-basic code for pressure and temperature estimation for upper mantle and lower crustal mineral assemblages. **Computer & Geosciences** 22,5 :589-591.
- 55- **Nasir S. (1996)** Oxygen thermobarometry of the Semail harzburgite massif, Oman and United Arab Emirate. **Eur. J. Mineral.** 8:153-163
- 56- Al Sharhan, A. & **Nasir, S. (1996):** Sedimentological and geochemical interpretation of a transgressive sequence: the Late Cretaceous Qahla Formation in the western Oman Mountains, United Arab Emirates. **Sed. Geol.** 101, 227-242.
- 57- **Nasir, S., (1995):** Mafic lower crustal xenoliths from the northwestern part of the Arabian plate. **Europ. J. Miner.** 7:217-230. (**Schweizerbart, Stuttgart**)
- 58- **Nasir, S., (1995):** Cr-poor Megacrysts from the Shamah volcanic field, northwestern part of the Arabian plate. **J. Afr. Earth Sci.** 21,3, 349-357
- 59- **Nasir, S., Kofahi, N. and Kofahi M. (1995):** Ferric: a modular turbo basic computer code for mineral formula calculation and ferric estimation from microprobe analysis. **M'utah J. for Res. And Studies.** 10:99-123
- 60- **Nasir, S., (1994):** Geochemistry and petrogenesis of Cenozoic volcanic rocks from the northwestern part of the Arabian continental alkali basalt province (Jordan). **Afr. Geosci. Rev.** 1 (4): 455-467.
- 61- **Nasir, S. (1994):** PTOXY: A computer soft ware for P-T-fO₂ calculation for metamorphic mineral assemblages. **Computer and Geosciences.** 20 No 9:1297-1320
- 62- **Nasir, S., (1993):** Classification and nomenclature of metamorphic rocks. **Chemie der Erde (Geochemistry)** 53:71-78
- 63- **Nasir, S. Mahmood, S, Lahlooh, A. (1993):** Ferric iron in upper mantle Spinel: Moessbauer spectroscopic study. **Chemie der Erde (Geochemistry)** 53, 265-271
- 64- Abu Al-Jarayesh, I., Mahmood, S., and **Nasir, S., (1993):** Magnetic studies of lower crustal and upper mantle xenoliths from NE-Jordan. **Yarmouk J. for Sci.,** 2:77-91
- 65- **Nasir, S., saddoni, F., Abu-Jaber, N, Abu-Rukah, Y., Duwiri, I, (1993):** Pyrite nodules in Early Cretaceous sandstone from Wadi Zerka, north Jordan. **Mu'tah J. For Sci. Res. And Study,** 8:323-339
- 66- **Nasir, S., Sadooni, F., Attalah, M., & Yosof, N., (1993):** Bed-thickness reduction of the Upper Cretaceous limestone of Ajlun area, North Jordan: stylolite study. **Mu'tah J. For Sci. Res. And Study** 8:139-154.
- 67- **Nasir, S., (1992):** The lithosphere beneath the northwestern part of the Arabian plate (Jordan): evidence from xenoliths and geophysics. **Tectonophysics** 201:357-370
- 68- **Nasir, S., & Abu-Aljarayesh, I., (1992):** Empirical calibration of geothermometer for garnet amphibolite and granulite based on the assemblage garnet-clinopyroxene-hornblende. **Chemie der Erde (Geochemistry)** 52:205-210
- 69- **Nasir, S., Abu-Aljarayesh, I., Moahmood, S., & Lehlooh, A., (1992):** Oxidation state of the upper mantle beneath the northwestern part of the Arabian lithosphere (Jordan). **Tectonophysics** 213:359-366
- 70- Mahmood, S., Abu-Aljarayesh, I., Kofahi, M., **Nasir, S.,** Popplewell, J., and Landyat, C. (1992): Characterization of Karak basalts using magnetic and Mössbauer studies. **Dirasat- Univ. Of Jordan Serial 19B,** 19-33.
- 71- **Nasir, S., (1991):** A suggested nomenclature for amphibolitic rocks.- **Chemie der Erde (Geochemistry)** 51:227-230
- 72- **Nasir, S., & Okrusch, M., (1991):** Metabasites from the central Vorspessart, North-West Bavaria, Part I: Geochemistry. **N.Jhb. Mineral. Mh.,** 11:500-522.
- 73- **Nasir, S., & Mahmood, S., (1991):** Oxidation of olivine in lherzolitic xenoliths from NE-Jordan. **M'utah Journal for Research and Studies.** 6:171-181.

- 74- **Nasir, S.**, Okrusch, M., Kreuzer, H., Lenz, H., & Hoehndorf, A., (1991): Geochronology of the Spessart crystalline complex, Mid-German crystalline rise. **Mineralogy and Petrology** 44:39-55.
- 75- **Nasir, S.**, (1990): Coexisting cummingtonite-hornblende pairs in meta-mafic rocks from the central Spessart crystalline.- **Chemie der Erde (Geochemistry)** 50:181-188.
- 76- **Nasir, S.**, & Sadedin, W. (1990): The heavy minerals of the Jurnub Sandstone (Early Cretaceous) of Jordan- Reply to comments by B. Amireh. *Sed. Geology*, 68: 315-317
- 77- **Nasir, S.**, & Saddin, W., (1989): The heavy minerals of the Kurnub Sandstone (Early of Jordan. **Sedimentary Geology** 62:101-107.
- 78- **Nasir, S.**, & Al-fuqha, H., (1988): Spinel-lherzolite xenoliths from the Aritain volcano, NE-Jordan.- **Mineralogy and Petrology** 28:127-137.
- 79- Saffarini, G., **Nasir, S.**, & Abed, A., (1985): A contribution to the petrology and geochemistry of Quaternary-Neogene basalts of central Jordan.- **Dirasat** 7:133-143
- 80- **Nasir, S.**, & Khoury, H., (1982): Geology, mineralogy, and petrology of Daba-Siwaqa marble.- **Dirasat** 4:107-130.
- 81- Khoury, H., & **Nasir, S.**, (1982): A discussion on the origin of Daba-Siwaqa marble.- **Dirasat** 4:55-66.
- 82- Khoury, H., & **Nasir, S.**, (1982): High temperature mineralization in the bituminous limestone in Maqarin area, North Jordan. **N. Jhb. Mineral. Abh.**, 144:197-213.

C.6.2. Books and Chapter in Books

C.6.3.1 Reviewed Books

- 83- **Nasir, S.** and Al-Sayigh, A. (2013): The secrets and Wonders of Gemstones with Examples from Oman 2nd Edition. 170 p. (In Arabic). Sultan Qaboos University (**Reviewed Textbook: course ERSC 1006: Gemstone**)
- 84- **Nasir, S.** (2012): Geotourism in the Oman Mountains: a concept of sustainable tourism. In “ Environemnt and Ecology of the Mediterranean Region” (R. Efe, M. Ozturk, S. Ghazanfer, eds.) Cambridge Scholars Publ. 333-338.
- 85- **Nasir, S.** and Al-Sayigh, A. (2008): The secrets and Wonders of Gemstones with Examples from Oman. 162 p. 1st edition (In Arabic). Sultan Qaboos University (**Reviewed Textbook: course ERSC 1006: Gemstone**) 200p
- 86- **Nasir, S.** (1999). Gemstone. Qatri bin Fuja ' a Publishing Comp. 190 p
- 87- **Nasir, S.** and Sadooni, F., (1999): Glossary of Minerals and Rocks (English-French-Arabic). Arab Organisation for Translation. Al-Rubath, Morroco. 300pp. (**Reviewed Glossary**)
- 88- **Nasir, S.** (1988): P-T-Bestimmungen und Mineralchemie der Metabasite im mittleren Spessartkristallin. Schweizerbart. 109 p.

C.6.2.2 Reviewed Chapter in Books

- 89- **Nasir, S.** (2012): Geotourism in the Oman Mountains: A Concept of Sustainable Tourism. In Environment and Ecology in the Mediterranean Region.(Recep Efe, Munir Ozturk and Shahina Ghazanfar , Eds). Cambridge Scholars Publ. 333-338.
- 90- Okrusch, M., Schubert, W., & **Nasir, S.**, (1995): The Mid-German Crystalline High: Igneous Activity (Pre- to Early Variscan Magmatism). In: Pre-Permian Geology of Central

and Eastern Europe. (Dallmeyer, R.D., Franke, W., and Weber, K. Eds.) Development of the Mid-German Crystalline Rise. **Springer**. 190-200.

- 91- **Nasir, S.** (1991): Qualifications of gemstones: examples from Jordan and the world. In: Geology of Jordan. Al Kutba Publishers. pp 9-14.
- 92- Okrusch, M., Schubert, W., **Nasir, S.** (1990): Pre- to early Variscan magmatism in the Mid-German Crystalline Rise. In "Field Guide : Mid-German Crystalline Rise & Rheinisches Schiefergebirge". Terranes in the Circum-Atlantic Paleozoic Orogens, IUGS-UNESCO, Project 233, p 43-54.

C.6.3. Conference

C.6.3.1 Refereed proceeding publications

- 93- **Nasir, S.** 2009. Late Jurassic allochthonous ultramafic lamprophyres in Eastern Oman. ILP Task force on sedimentary basins. The Arabian Plate and analogues. Dec. 6-11. Abstracts with Program .137-140.
- 94- **Nasir, S.**, Salah Al-Khirbash, Hugh Rollinson Abdulrahman Al-Harthy Abdulrazak Al-Sayigh, Ali Al-Lazki, E. Belousova F. Kaminsky^c T. Theye, H.J. Massone, Salim Al-Busaidi. (2008): Evolved carbonatitic kimberlites from the Batain Nappes, eastern Oman continental margin. **9th Kimberlite Conference**. Extended abstract Nr **91KC-A-00002** **9th International Kimberlite Conference**, August 2008 Frankfurt, Germany
- 95- **Nasir, S.**, Salah Al-Khirbash, Hugh Rollinson Abdulrahman Al-Harthy Abdulrazak Al-Sayigh, Ali Al-Lazki, E. Belousova F. Kaminsky T. Theye, H.J. Massone, Salim Al-Busaidi. (2008): Late Jurassic to Tertiary kimberlite, carbonatite and lamproite dike swarms from the Bomethra area, Northeastern Oman. **9th Kimberlite Conference**. Extended abstract Nr. **91KC-A-00003** **9th International Kimberlite Conference**, August 2008 Frankfurt, Germany
- 96- **Nasir, S.**, & Safarjalani, A. (1996): Tectonic evolution of the Shamah volcanic field, northwestern part of the Arabian Plate (Syria and Jordan): megacrysts-xenoliths-host basalt relationship. **36th Science Week**, Supreme Council of Science, Syria, **Proceeding 2, 321-347**.

C.6.4.1 Conference attendance, Presentations and refereed published Abstracts

- 97- NR Banerjee, A Ali, I Jabeen, G Osinski, AD Al-Rawas, **S Nasir**, (2014). A Martian Fractionation Line Constructed from Oxygen Isotope Analyses of Bulk Material and Minerals from SNC Meteorites.. Meteoritics and Planetary Science Supplement 76, 5248
- 98- Rajendran, S **Nasir, S.** (2013) Application of remote sensing to mineral exploration. International Geosciences and Geomatics Conference, Istanbul, Turkey, 24-28th November 2013.
- 99- Salah Al-Khirbash, Laurent Richard, **Sobhi Nasir**, Abdul Razak Al-Sayigh, Khadija Semh (2013) Geology and economic potentiality of Ni-laterites in the Oman Mountains. 10th meeting of the Saudi Society of Geosciences: Geoscience for Sustainable Development 15-17 April 2013
- 100- **S. Nasir** (2012): Workshop on the scientific drilling in the Semail Ophiolite, Palsadaes, NY/USA 13-17 September 2012
- 101- Salah Al-Khirbash, Laurent Richard, and **Sobhi Nasir** (2012). Characterization of Nickel Laterites from the Oman Mountains. International Conference on the Geology of

- the Arabian Plate and the Oman Mountains 7-9th January, 2012, Sultan Qaboos University, Muscat, Sultanate of Oman. Abstract Volume p 25.
- 102- A Al-Abri, S Rajendran, S Al-Khirbash, B Pracejus, **S Nasir**, TM Kusky, A Ghulam 2012
The application of ASTER remote sensing data to chromite bearing mineralized zones of Wadi Fizah ophiolite in Northern Oman. GRSG AGM 2012-Monitoring and Managing the Earth's.
- 103- Salah Al-Khirbash , Khadija Semhi and **Sobhi Nasir** (2012). Trace element behaviour during laterization of the Oman ophiolite: mass balance calculations. International Conference on the Geology of the Arabian Plate and the Oman Mountains 7-9th January, 2012, Sultan Qaboos University, Muscat, Sultanate of Oman. Abstract Volume p 26.
- 104- Massonne, H.-J. , Opitz, J. , Theye, T. , and **Nasir, S** (2012). Exhumation Evolution of an Ultrahigh-pressure Metasediment from As Sifah, Northeastern Coast of Oman. International Conference on the Geology of the Arabian Plate and the Oman Mountains 7-9th January, 2012, Sultan Qaboos University, Muscat, Sultanate of Oman. Abstract Volume p 144-145.
- 105- **Sobhi Nasir** and Martin Okrusch (2012). Petrology and Geochemistry of Volcanic Rocks of the Rowida Formation, Batain Nappes, Eastern Oman. International Conference on the Geology of the Arabian Plate and the Oman Mountains 7-9th January, 2012, Sultan Qaboos University, Muscat, Sultanate of Oman. Abstract Volume p 166-168
- 106- **Sobhi Nasir** and Robert Stern (2012). Lithospheric Petrology of the Eastern Arabian Plate. International Conference on the Geology of the Arabian Plate and the Oman Mountains 7-9th January, 2012, Sultan Qaboos University, Muscat, Sultanate of Oman. Abstract Volume p 169.
- 107- **Sobhi Nasir** (2012). Petrology of the Roweida Mela-aillikites, Batain Basin, Eastern Oman International Conference on the Geology of the Arabian Plate and the Oman Mountains 7-9th January, 2012, Sultan Qaboos University, Muscat, Sultanate of Oman. Abstract Volume p 170.
- 108- Sankaran Rajendran, **Sobhi Nasir** , Timothy M. Kusky , Salah al-Khirbash , Bernhard Pracejus^a and Amani Humaid Al-Abri (2012). Mapping of CO₂ Sequestration Area in parts of Semail Ophiolite Massifs of the Sultanate of Oman using ASTER data: A Study to Global Geological Carbon Capture and Storage System. International Conference on the Geology of the Arabian Plate and the Oman Mountains 7-9th January, 2012, Sultan Qaboos University, Muscat, Sultanate of Oman. Abstract Volume p 198.
- 109- Erik R. SEIFFERT, **Sobhi NASIR**, Abdulrahman AL-HARTHY, Joseph R. GROENKE, Brian P. KRAATZ, Abdul Razak AL-SAYIGH, Nancy J. STEVENS. (2012). The US-Omani Dhofar Paleontology Project: Collaborative Exploration of the Cenozoic of Oman. International Conference on the Geology of the Arabian Plate and the Oman Mountains 7-9th January, 2012, Sultan Qaboos University, Muscat, Sultanate of Oman. Abstract Volume p 227-228.
- 110- Stern, B, Minghau, RE., Ali, K., Foerster, HJ., Safarjalani, A., **Nasir, S.**, Whithouse, M., LOWER CRUST XENOLITHS FROM TEL THANNOUN, SYRIA: INSIGHTS INTO THE LOWER CRUST OF AFRO-ARABIA (AND MAYBE TRANS-PECOS TEXAS) Geological Society of America *Abstracts with Programs*, Vol. 44, No. 1, p. 8
- 111- **Nasir, S., (2011)** Geotourism in the Oman Mountains **3rd Global Geotourism Conference**, October, Oman-Muscat
- 112- **Nasir, S., (2011)** Geotourism resources of Al Khayran, Oman **3rd Global Geotourism Conference**, October, Oman-muscat

- 113- **Nasir, S., (2011)** Geotourism in Oman: A concept of sustainable tourism. International Symposium on Kaz Mountains (Mount Ida) and Edremit. Global Change in the Mediterranean Region May 5-7, 2011, Edremit-Turkey
- 114- **Nasir, S. 2010:** Geotourism in the Oman Mountains: Billions Years of Story of the Earth to Serve Tomorrow. The 4th International Conference on Responsible Tourism in Destinations. 10-12 October 2010.
- 115- **Nasir, S. 2010.** Geology And Ni-Co Mineralization Of Laterites Of The Oman Mountains. Seventh International Symposium On The Eastern Mediterranean Geology” at 18 – 22 October 2010 in Adana, TURKEY
- 116- **Nasir, S. (2009)** Late Jurassic ultramaphic lamprophyres with kimberlitic affinity in the allochthonous Batain nappes of Eastern Oman . **AGU Joint assembly , Toronto, 2009. Poster**
- 117- **Nasir and Others (2008) 9th International Kimberlite Conference, August 2008 Frankfurt, Germany**
- 118- Iezzi G., Moroni P., **Nasir S.**, Moretti R. (2008): Kaersutitic and Ti-pargasitic amphiboles and oxygen fugacity 13 – 18 April 2008, Vienna, Austria, **European Geosciences Union General Assembly 2008. EGU-2008-A. Vol. 10.**
- 119- **Nasir S.**, and Others (2007): The first record of allochthonous kimberlites within the Batain Nappes, Eastern Oman. **Geochemica Cosomochemica Acta. 442.** August, 2007 **Goldschmidt International Conference, Köln, Germany**
- 120- Moroni, P., Iezzi, G., **Nasir, S. (2007):** Relation between crystal-chemistry and petrology of Ti-pargasite and kaersutite. **Short Course on Amphiboles. Accademia Nazionale dei Lincei , Mineralogical Society of America and Geochemical Society..Rome** 29-31, October.
- 121- Al-Rawas, A., **Nasir, S.**, Gismelseed, A., (2007): ⁵⁷Fe Mössbauer spectroscopy study of phlogopite megacrysts from an evolved carbonatitic kimberlite in the northeastern Oman Mountains. October ICAME 2007. International Conference on the applications of the Mössbauer effect. Indian Institute of Technology Kanpur, India
- 122- **Nasir, S.**, Alharthy, A., Al-Sayigh, A., Al-Lazki, A and Al-Khribash, S (2006):The First Records of Allochthonous Kimberlites and Carbonatites in Eastern Oman. **6th International Conference on the Geology of the Middle East.** March 20-23, Al-Ain, UAE
- 123- **Nasir, S (2006).** Sr-Nd-Pb Isotope Systematics of Hatta Carbonatites, Northern Oman Mountains. **6th International Conference on the Geology of the Middle East.** March 20-23, Al-Ain, UAE.
- 124- Al-Jaaidi, O., Al-Sayigh, A., **Nasir, S.**, and Al-Barwani, B. (2005): Geoparks and Geotourism in Oman: Challenges ahead. **System Earth-Biosphere Coupling 2005** Erlangen. International Conf. and annual meeting of the Geological Union (GV) and the German Geological Society (DGG).
- 125- **Nasir, S.**, Al-Sayigh, A., Alharthy, A.,(2005) Getotectonic and sedimentological evolution of the Hofuf Formation, the Eastern province of Saudi Arabia. 24th IAS meeting of sedimentology Muscat, 10-13 January 2005. **Abstract book p 153. . 24th IAS meeting of Sedimentology, Muscat, Oman**
- 126- **Nasir, S.**, Al-Harthy, A., Al-Sayigh, A., (2004) Economic aspects of carbonatite of Oman.**2nd Symposium on the investment opportunities in the GCC “Investment opportuinites in mining sector”** , Muscat, Sultanate of Oman, 6-7 Decemeber 2004, **Abstract book p.38.**
- 127- **Nasir, S.**, Al-Sayigh, A., (2004) Chromite: End uses-grades and specification. **2nd Symposium on the investment opportunities in the GCC “Investment opportuinites in**

- mining sector” , Muscat, Sultanate of Oman, 6-7 Decemeber 2004. **Abstract book p.41. (Oral)**
- 128- Sadiq A.M and **Nasir, S. (2003)** Middle Pleistocene karst evolution in the State of Qatar, Arabian Gulf p. World correlation of carst ecosystem **Newsletter 46**. 3rd year meeting of IGPC meeting 448 UGS (UNESCO) Spain.
- 129- Sadiq A.M and **Nasir, S. (2002)**: Environmental impacts and risks of construction upon the karstic area of the New Doha District, State of Qatar. **International Conference on Environment QUEST . Abstract book p.64)**
- 130- **IUGS-UNESCO Deposit modeling program workshop (1999)** Base and precious metal deposits in the Arabian Shield, Jeddah, Saudi Arabia
- 131- **Nasir, S.,** Kassas, I., Sadiq, A. **(1998)**: Mineralogy and Geomorphology of Umsaied Dunes.**International Conference on the Arabian Gulf**. Qatar University. December 1998. **Conf. Vol. 34**.
- 132- **Nasir, S.,** and Safarjalani, A. **(1995)**: The lithosphere beneath Syria. **35th Science Week**Latkia, Syria . **Conference V. 1: 45**
- 133- **Nasir, S., (1995)**: Kaersutite, spinel and pyroxene megacrysts from the Shama volcanic field, NE-Jordan. **Eur. J. Mineral. 4,1 :200-202. 73th annual meeting of the European Mineralogical Society.**
- 134- **Nasir, S., (1992)**: Nomenclature of granulitic rocks. **Europ. J. Mineral. 4, 1:203-204. 70th annual meeting of the European Mineralogical Society**
- 135- **Nasir,S., & Abu-Hilal, A., (1992)**: A novel occurrence of high-temperature minerals under highly basic and low temperature conditions. **Eur. J. Mineral. 4,1:204. 70th annual meeting of the European Mineralogical Society.**
- 136- **Nasir, S. & Coleman, R. (1992)**: First international symposium on the geodynamic development of the Arabian lithosphere, Yarmouk University, Irbid, Jordan 24-26 August, 1991. **Episod. 15,2:146**
- 137- **Nasir, S., (1991)**: A crustal and upper mantle model for the Arabian lithosphere. **I Inter. Symp. n the geodynamic development of the Arabian lithosphere. Jordan. Abst. Vol.:76-77.**
- 138- **Nasir, S., (1991)**: The lower crust of the Arabian lithosphere: Geochemical characterization. **Inter. Symp. on the geodynamic development of the Arabian lithosphere. Jordan, Abst. Vol.:72-73.**
- 139- **Nasir, S., (1991)**: Geochemical and tectonical systematics on Cenozoic basalts from the northwestern part of the Arabian plate: implications for the evolution of the Arabian lithopshere. **Inter. Symp. on the geodynamic development of the Arabian lithosphere. Abst. Vol.:74-75.**
- 140- Abu-Aljarayesh, I., Mahmood, S., & **Nasir, S., (1991)**: The lower crust and upper mantle of the Arabian lithopshere: oxygen fugacity and magnetic characterization. **Inter. Symp. on the geodynamic development of the Arabian lithosphere. Abst. Vol. p11**
- 141- Fakhoury, I., & **Nasir, S., (1991)**: Mineralogy and geochemistry of mafic and ultramafic xenoliths in the Quaternary basalts, NE-Jordan. **Jordan. Inter. Symp. on the geodynamic development of the Arabian lithosphere Abst. Vol. p55**
- 142- Ghaleb, M., & **Nasir, S., (1991)**: The Quaternary volcanic terrains of the central part of the Jordan rift valley and the Yarmouk river. **Inter. Symp. on the geodynamic development of the Arabian lithosphere. Jordan Abst. Vol. p57**
- 143- **Nasir S. (1991)**: New geothermometers for amphibolites, granulites and eclogites.**Eur. J. Mineral. Bhf., 1, 3:110-111. 69th annual meeting of the German Mineralogical Society.**

- 144- **Nasir, S., (1991):** The lithosphere beneath the Arabian Plate: evidence from xenoliths and geophysics. **31th Science Week** Latkia, Syria . **Conference V. 1**
- 145- Okrusch, M., Schubert, W., **Nasir, S. (1990):** Pre- to early Variscan magmatism in the Mid-German Crystalline Rise. International Conference on Paleozoic orogens in central Europe. Goettingen-Giessen. F.R. Germany.
- 146- **Nasir, S., (1990):** An evaluation of different geothermobarometers in metabasites of the Vorspessart. **68th annual meeting of the German Mineralogical Society.** **Eur. J. Mineral., Bhf. 1, 2:187-188.**
- 147- **Nasir, S., (1990):** K-Ar age determinations and volcanological evolution of the northwestern part of the Arabian plate. **68th annual meeting of the German Mineralogical Society.** **Eur. J. Mineral., Bhf., 1, 2: 188-191**
- 148- **Nasir, S., (1990):** The upper mantle and lower crust the Arabian plate: xenolith evidence. **68th annual meeting of the German Mineralogical Society.** **Eur. J. Mineral., Bhf., 1, 2:189-191.**
- 149- **Nasir, S., (1989):** Nomenclature of the Amphibolite. **67th annual meeting of the German Mineralogical Society.** **Eur. J. Mineral. Bhf., 1, 1:135-137**
- 150- **Nasir, S., (1989):** Orthogneisses and granitoids of NW Arabian Shield: Indicators of the geotectonic environment? **67th annual meeting of the German Mineralogical Society.** **Eur. J. Mineral., Bhf., 1, 1:136-139**
- 151- **Nasir, S., (1989):** Unusual contamination of water by metamorphic minerals in bituminous marls of Jordan. **67th annual meeting of the German Mineralogical Society.** **Eur. J. Mineral., Bhf., 1, 1:140-145**
- 152- **Nasir, S., (1989):** Petrologic interpretation of geophysical data from Jordan. Symposium on the Afro-Arabian rift system. (March, 1989) Karlsruhe, Germany. **Abstract volume:67-68**
- 148- **Nasir, S., (1989):** Rift-related Cenozoic volcanism in Jordan. Symposium on the Afro-Arabian rift system. karlsruhe, Germany. **Abstract volume:69-70.**
- 149- **Nasir, S., (1988):** Cholrite-Hornblende-Felse des mittleren Spessart-kristalline. **66th annual meeting of the German Mineralogical Society.** **Fortschr. Mineral., Bhf., 1, 66:108-110**
- 150- **Nasir, S., (1988):** P-T-Bestimmungen und Mineralchemie der Metabasite des mittleren Vorspessarts. **66th annual meeting of the German Mineralogical Society** **Fortschr. Mineral. Bhf., 1, 66:111-112**
- 151- **Nasir, S., (1988):** Ultramafic and mafic xenoliths from NE- and central Jordan. **66th annual meeting of the German Mineralogical Society.** **Fortschr. Mineral., Bhf., 1,66:112-113**
- 152- Okrusch, M., & **Nasir, S., (1984):**Metabasite aus dem mittleren kristallinen Vorspessart, NW-Bayern. **61th annual meeting of the German Mineralogical Society.** **Fortschr. Mineral. Bhf., 1, 62:110-111.**
- 153- **Nasir, S. Khoury, H. (1981):** High temperature mineralization in Central Jordan. First Arab Energy Conference, Amman-Jordan.

C.6.5. Technical Reports

- 154- Marguerite Godard, Peter Kelemen, **Sobhi Nasir**, and Damon Teagle 2011. WORKSHOP REPORT: Geological carbon capture & storage in mafic and ultramafic rocks. IODP/ICDP Workshop on the role of oceanic and continental scientific drilling
- 155 **Nasir, S. (March-2010):** Geology of Bander Khyran. Submitted to the Ministry of Tourism. 100p.

- 156- **Nasir, S.**, Al-Khribash, S. Al-Harty, A , Al-Sayigh, A, Rollinson, H. , Mubarek, A., Lazki,A., Kwarting, A. (2009) Diamond Potentiality of Kimberlite within the Batain Nappes, Eastern Oman. HM Project: ERS/SCI/ETHS/06/01. 600p
- 157- Al-Khribash, S., **Nasir, S.**, Al-Harthy, A. Al-Sayigh, A, A'Shaikh, D., & Ogasawara, M., (2008) Mineralogy and Geochemistry of the Ibra Laterite Profile: Preliminary Results. Sultan Qaboos University. Department of Research.
- 158- Safarjalani, A. **Nasir, S.**, (2003) Gold placer deposits along Wadi As-Shahba, Saudi Arabia, King Faisal University, 150p.
- 159- Safarjalani, A., and **Nasir, S.** (1996): Petrographic, Geochemical and petrological cahracterization of the xenoliths associating the basalts of southwest Syria. Atomic Energy Commission. AECS-G/RSS 171, 39p
- 160- Hamdan M., and **Nasir S.** (1994):Evaluation and development of Mineral Resources: Phase I United Arab Emirates 44 p. Arab mining Co. Amman-Jordan

C.6.6 Articles in Arabic (Magazine and Newspaper, Newsletter)

- 161-Nasir, S., (1990): Qualifications of gemstones: example from Jordan and the world. Yarmouk Mag. 29:58-60.
- 162- Nasir, S.(1991): Modern theories on the earth composition. Yarmouk Mag. 31:38-39
- 163- Nasir, S., (1991): The geological evolution of the Dead Sea. Yarmouk Mag. 32:47-49.
- 164-Nasir, S. (1992): Diamond: The invincible mineral. Yarmouk Mag. 35:52-5
- 165- Nasir, S., (1996): Environmental effect of fibrous minerals. Mag.of Center of Environmental Friends 1-2
- 166- Nasir, S. (1996): The Worried Earth, Al-Fetian Youth Arabian Mag. 4-8
- 167- Nasir, S., (1998): Geochemistry of basalts from Syria. A'alam Al-Zarra, 58:96-102
- 168- Nasir, S. (1999): Dinosaurs: Facts and evolution. Al-Fetian Youth Arabian Mag. 5-8
- 169- Nasir, S. (2000): Gemstones: History and Facts. Al-Fetian Youth Arabian Mag. 10-15
- 170- Nasir, S. (2005): Oman from Cupper to diamond Al-Watan news paper
- 171- Nasir (2005): The Geological wonder of Oman Al-watan news Paper
- 17-2 Nasir S. (2006): The Mineral wealth of Oman. Al-Watan
- 173- Nasir, S. (2008): Our valuable minerals . The Researcher, SQU.
- 174- Nasir, S. (2008): The Arsino of Dohofar. The researcher, SQU
- 177- Nasir, S. (2008) : Peaceful uses of Nuclear Energy. AL-Masar, SQU.
- 178- Nasir, S. (2011): The peridotite of Oman can save the world: absorption of CO₂ from the atmosphere. Oman Observer
- 179- Nasir S. (2011): Potential for Enhanced in situ and ex situ Carbonation of Peridotite in the Semail Ophiolite of Oman for CO₂ capture and storage. Science and the world
- 180 Nasir (2013) Meteorite of Oman. Oman Observer, Horizon

C.6.7. Conference Organizing Committee

- 1- Chairman of the organizing committee: International Symposium on the Geodynamic development of the Arabian Lithosphere. April 1991, Yarmouk University
- 2- Workshop on Reaching to information, UAE University, 1994.
International workshop on new methods of science education: 1996, UAE University
- 3-International Conference on the Arabian Gulf environment: 1998: Qatar University

- 4- Steering Committee of the International Workshop on Geological carbon capture & storage in mafic and ultramafic rocks . IODP/ICDP Workshop on the role of oceanic and continental scientific drilling, Muscat, Oman 8-10 January 2011
- 5- Steering Committee of the International Conference on Geotourism. Ministry of Tourism, 29-31 November 2011
- 6- Steering Committee of the International Workshop on Geological carbon capture & storage in mafic and ultramafic rocks . IODP/ICDP 2nd Workshop on the scientific drilling in Semail ophiolite, New York 2012
- 7- Chairman of the organizing committee: International Conference on the geology of the Arabian Plate and the Oman Mountains. January 7-9th 2012. Oman

C.6.8. Grant and Contract Support

Sultan Qaboos University:

1- Internal Grant

a-One HM-Grant 2006-2008: Code: SR/SCI/ETHS/06/01: Diamond potentiality of the Kimberlite within the Batain Nappes, Eastern Oman. (Principal Investigator) ~ 120,000 US\$: (50,000 OR)

b- Post Emplacement Stress History In Oman. 2006-2009 Project Code:

IG/SCI/ETHS/06/01 Mountains (Co-investigator): 7000 OR

c- Economic evaluation of the Omani laterite. Code: IG/SCI/ETHS/07/03

Co-investigator 7000 OR

d- Mapping of gold potential areas and mineralized zones in parts of Sohar-Shinas region of Sultanate of Oman. Code: IG/SCI/ETHS/07/03 Co-principle investigator, 5650 OR

e-Sedimentological study of the Khlata deposits in Oman. Code: CL/SQU/UOJ/05/01 Joint project between SQU and the University of Jordan. Co-investigator. 10000 OR

f- HM-Grant 2012-2015: Code: SR/SCI/ETHS/02/01 Characterization of the Omani Meteorites: 35,000 OR

g- Internal-Grant 2011-2014: Code: IG/SCI/ETHS/02/02: Economic evaluation of the carbonatite occurrence in Eastern Oman: 7500 OR

2- Council of Scientific Research/Yarmouk University: 6 funds 1987-1992 (Total 17,000 US\$)

a- Code 13/88: The upper mantle under NE-Jordan

b- Code 14/88: The heavy minerals of the Kurnub sandstones in Jordan

c- Code 67/88: Studies on the formation and geochemistry of unusually formed minerals on the left side of the Maqarin Dam-site

d- Code 48/90: The lithosphere beneath the Arabian Plate

e- Code 32/91: Moessbauer study of Fe-bearing minerals and rocks

f- Code 10/92: Megacrysts from the Quaternary volcanic rocks of NE-Jordan

3- UNSCO: 1 funds: 1991-1992: 50,000 US\$

4- Council of Scientific Research/ UAE University: 2 funds 1992-1996: (90,000 US\$)

a- Code 418/1993: Qualification of Carbonate rocks in the UAE

b- Code 465/1993: Raw materials in the UAE

5- Commission of Atomic Energy, Syria: one fund 1995-1997 (10,000 US\$)

Code: 816/97 : Petrographic-geochemical and petrological study on xenoliths associated the Tertiary-Quaternary basalts Southwest Syria

6- Faculty of Science/ Qatar University: 4 funds 1997-2000: ~40,000 US\$

7- British Cultural Council: one fund: 1997: ~ 8000 US\$

8- German Academic exchange (DAAD): 6 funds 1990, 1994, 1998, 1999, 2002, 2007 (~20,000 Euro)

9- King Faisal University: one fund 2003: Code 4022: 30,000 US\$

10- **Carnegie Institute of Washington**, one fund 1993.: 15,000 US\$

C.6.9. Contract Support

- 1- Naisr, S. (2008): XRD identification of Sulphide minerals. *National Mining Company LLC (4500 OR)*
- 2- Nasir, S., Iftikhar Ahmed, Al-Harty, A. (2007): Preparation and Petrographic Descriptions of 15 Thin Sections. *Hawasina LLC (MOL) (10230 OR)*
- 3- Nasir, S. (2007): Mineralogical study of 100 gypsum sample. *Gypsum Quarrying Company. (10000 OR)*
- 4- Nasir, S. Identification of clay minerals. *2010 General Authority of Pottery (1400 OR)*