

## کورتەیهک له ژياننامهی .....

پروفیسۆر د. عیزەدین بابان  
عیزەدین نەجمەدین م. ئەمین بابان

• سالی 1957ز، له دبی بنه‌ی خواروو، سه‌ر به ناحیه‌ی قه‌ره‌هه‌نجیر/که‌رکوک/باشووری کوردستان له‌دایک‌بووه.

• خویندنی سه‌ره‌تایی ناوه‌ندی و دواناوه‌ندی له شاری که‌رکوک ته‌واو کردووه.

• سالی 1976ز، له کۆلیژی زانست/به‌شی جیۆلۆجی زانکۆی سلیمانیه‌ی وه‌رگیراو.

• له‌ماوه‌ی ئه‌و چوار ساله‌ی له زانکۆدا بوو به‌شداری زۆربه‌ی چالاکیه‌ زانستی و پۆشنییرییه‌کانی زانکۆی کردوه.

• له‌سالی 1977ز، یه‌که‌م ده‌سته‌ی به‌شدار له خۆپیشاندانه‌ گه‌وره‌که‌ی زانکۆی سلیمانیه‌ی بوه که له زانکۆی سلیمانیه‌ی ده‌ستی پێکرد و کۆلیژ و به‌شه‌کانی په‌رهبه‌سند.



پروفیسۆر د. عیزەدین بابان  
Professor Dr. Ezzadin Baban

• نیوان سالانی 1977–1979ز، ئەندامی تپیی موسیقایی زانکۆی سلیمانیه‌ی بووه.

• سالی 1980ز، ده‌رچووی یه‌که‌م خولی به‌شی جیۆلۆجی زانکۆی سلیمانیه‌ی و بڕوانامه‌ی BSc له‌و بواره‌دا وه‌رگرتووه.

• سالی 1981ز، خویندنی بالایی له‌ بوارێ جیۆفیزیک/ زانکۆی موسڵ وه‌رگیراو له‌ سالی 1984ز بڕوانامه‌ی MSc له‌ بوارێ جیۆفیزیا به‌ده‌سته‌یه‌یناوه.

• سالی 1984ز، به‌ پله‌ی مامۆستايار Assistant teacher له‌ به‌شی جیۆلۆجی/زانکۆی سه‌لاحه‌دین دامه‌زرا. به‌لام له‌به‌ر بارودۆخی سیاسی، رێی وانه‌بێژیه‌ی پێنه‌راوه و وه‌ک کارمه‌ندیکی ئاسایی له‌ هۆبه‌ی هه‌لسه‌نگاندنی ئەنجامدانی ئەزمونگه‌کان ده‌سته‌بکاربوه.

• نیوان سالانی 1985–1996ز، بۆته به‌رپرسی یه‌که‌ی کۆمپیوتەر له‌ کۆلیژی زانست/زانکۆی سه‌لاحه‌دین.

• نیوان سالانی 1984–1985ز، دانانی پرۆگرامی کۆمپیوتەر له‌باره‌ی ئاماده‌نه‌بوونی خویندکارانی کۆلیژی زانست که به‌ یه‌که‌م پرۆگرام له‌ سه‌رانسه‌ری عێراقدا داده‌نریت له‌و بواره‌دا.

• له‌سه‌ره‌تای راپه‌ربندا، ئەندام لیژنه‌ی پاراستنی داموده‌زگاکی کۆلیژی زانست بوه.

• سالی 1992ز، هاوکاریکی چالاکیوه له‌ پرۆگرام‌ریژی ده‌نگ جیاکردنه‌وه‌ی یه‌که‌م هه‌لبژاردنی په‌رله‌مان/هه‌ریمی کوردستانی عێراق.

• له‌نیوان سالانی 1991–1994ز، کراوته ئەندام ده‌سته‌ی گۆفاری ئەکادیمیای (زانست و سروشت "العلم والطبیعة" Nature and Science) له‌ کۆلیژی زانست/ زانکۆی سلیمانیه‌ی.

• له‌ سالی 2019ز، کراوته ئەندام ده‌سته‌ی گۆفاری نیشتمانی عێراقی بۆ زانسته‌کانی زه‌وی/زانکۆی موسڵ.

• نیوان سالانی 1992–1996ز، کراوته ئاراسته‌ری Director نیوه‌ندی کۆمپیوتەر/زانکۆی سه‌لاحه‌دین.

- نيوان سالانى 2001-2003ز، يەكەم سەرۆكى بەشى كۆمپيوتەر بوو، لە كۆلچى زانست لە زانكۆى سلېمانىيە و سەرپەرشتى كردنەوى خويندنى بالآ (دكتورا و ماستەر) لە بواری كۆمپيوتەر لە كۆلچى زانست/ زانكۆى سلېمانىيە كردو.
- نيوان سالانى 2010-2004ز، راسپىزبوو لە دامەزراندی كۆلچى مامۆستايان و دەسنیشانكراو بە راگرى كۆلچى لە 2004ز.
- نيوان سالانى 2004-2005ز، نوینەرى سەرۆكى زانكۆى سلېمانىيە بوو لە كۆبوونەوهكانى ئەنجومەنى و مزارەتى خويندنى بالآى عىراق كە چەندین دەستكەوتى بۆ زانكۆكە پەيداكردو.
- سالى 2016ز، كراوئە سەرۆكى لێژنەى پشنگىرى پاداشتى توێژینەوو دانان و وەرگىرانی كتیب. لەو ماوهیدا زیاتر لە 2600 توێژینەوو (زانستنامەى) پاداشتكر او و سەرپەرشتى زیاتر لە 45 كتیبى زانستى كردوو كە لەسەر ئەركى زانكۆى سلېمانىيە بە چاپ گەيەندرا.

### چالاکە کارگێرییەکانی

- لە سالەكانى هەشتاكاندا، چەندین بابەت و زانستنامەى لە بواری جیۆلۆجى، كۆمپيوتەر و مۆزىك لە گۆقارو رۆژنامە كوردییەكانى وەك گۆقارى كاروان و رۆژنامەى هاوكارى بلاوكردۆتەوه.
- سەر راسپاردەى راگرى كۆلچى زانست، زانكۆى سەلاحەدین لە سالى 1985ز و انینەوهیەكى چرئامارى سەبارەت بە پەيوەندى گرىدانى نيوان ئامادەبوونى خويندكاران و نمرەى دەرچوونيان لە وانەكان ئەنجامدا و وەك يەكەم و انینەوهیەكىش لەو بواردەدا، بوو جیى پەسەندمەندى راگرایەتیی كۆلچى و سەرۆكایەتیی زانكۆ. لەسەر ئەو و انینگەرییەى، لەلایەن سەرۆكایەتیی زانكۆو سوپاسنامە و خەلاتى پێبەخشا.
- سالى 1985ز، يەكەم كەس بوو، ئامیرى كۆمپيوتەرى هینایە زانكۆى سەلاحەدین و كردنەوهى چەندین خولى فێركردن بۆ مامۆستايان و كارمەندان و خويندكارانى زانكۆ.
- كردنەوهى دەیان خولى راهینان بۆ فێربوونى زوانى بەیسك و فۆرترانى كۆمپيوتەر بۆ مامۆستا و كارمەندانى زانكۆى سەلاحەدین .
- چەندین ئەلقەى هەفتانەى لەبارەى فێربوونى زوانى بەیسكى كۆمپيوتەر، بۆ بەرنامەى زانست لە تەلەفزیۆنى كەركوك تۆماركردو.
- نيوان سالانى 1992-1996ز، بەشدارىكردنى لە بەرھەمەپێنان و ئامادەكردنى چەندین گۆقار و رۆژنامە و كتیبى كوردیی.

## چالاکىيە زانستگهرييهكانى....

- سەرپەرشتكارى 7 تىزى پلەي ماستەر و دكتور/زانكۆي سلېمانىي و كۆ-سەرپەرشتارى Co-supervising دكتور/زانكۆي بەغداد كر دوه..
- وهشاندنى پتر له 19 مزار Topic و زانستنامه له گوڤاره ناوخۆ و عىراق و جيهانييهكان به زوانى كوردىي و عهرييهي و ئىنگليزىي.
- بهشداربوونى پتر له 28 كۆر و كۆنفرانس و سېمىنەرى ناوخۆ و عىراق و جيهانىي.
- ئامادهبوونى له چقات Society و كۆره زانسته جيۆلوجىي و كاروباره كۆمپيوتهرييهكانى:
- له سالى 2013 زايينهوه، ئەندام جقاتى پهيدۆزىي Exploration جيۆفيزيائى ئەمريكايه (SEG).
- ههروهها، ئەندام جقاتى پهيدۆزىي جيۆلوجىي ئەمريكايه (GSA).
- له سالى 2014 زايينهوه، ئەندام جقاتى پهيدۆزىي جيۆلوجىي ئەوروپايه (EAGE).
- ئەندامى يهكيتىي مامۆستايانى كوردستان.
- ئەندام جقاتى جيۆلوجىي كوردستان.
- له دامەزرينهري كۆمهلهي كۆمپيوتهرزاني كوردستان بووه له سالى 1993 ز.
- لهنيوان 1992-1994 ز، ئەندام دامەزرينهري ريخراوى مافهكانى مروڤ/كوردستان بوه.
- لهنيوان 2003-2010 ز، ئەندام ئەنجومهي زانكۆ بوه.
- له سالى 2013 زايينهوه، ئەندام ناوهندي روشنيريي و كۆمهلايهتيي بابانه.
- له سالى 2019 زايينهوه، ئەندام دهستهي وهشاندنى گوڤارى نيشتمانىي عىراقىي بۆ زانسته زهوييهكان، زانكۆي موسل.



پروڤيسۆر د. عزهدين بابان

- لهماوهي ئەو سالانهي خزمهتييدا، گهليك ريزلينيان و خهلاتى پييهخسراوه، لهلايهن سەرۆك و هزيران (1994)، وهزارهتي خويندنى بالآ، وهزارهتي روشنيريي (2005)، سەرۆكايهتيي زانكۆي سهلاحهدين، سەرۆكايهتيي زانكۆي سلېمانىي .
- له ماوهي سالانى خزمهتييدا، سى بهر ههمى زانستىي له بوارهكانى كۆمپيوتهر و جيۆفيزيكا بهچاپ گهياندوه، ئەوانيش:

- "كۆمپيوتهر و بهرنامهريزى بۆ زمانى بهيسيك Basic language"، 251/لاپهه، 1994 ز.
- "سهرهتايهك بۆ ريگهه دۆزينهوهي راكيشان Introduction to the gravity exploration method" بهزوانى ئىنگليزىي، 202/لاپهه، 2014 ز، زانكۆي سلېمانىي.
- "سهرهتايهك بۆ ليگهрани لهزههه: Introduction to the Seismic Exploration" بهزوانى ئىنگليزىي، 205/لاپهه، 2020 ز، زانكۆي سلېمانىي.



**Dr. Ezzadin N. M. Amin Baban**  
**Professor**



Professor Dr. Ezzadin Baban

**1- Name and general information:**

- I. Name and Surname: Ezzadin Najmaddin M. Amin Baban  
II. Data and place of birth: First July 1957 – Chamchamal - Kirkuk  
III. Date of starting the work: 1984 - Salahaddin University  
VI. Address: Sulaimani University, College of Basic Education, Kurdistan Region, IRAQ  
Email: [ezadinb@yahoo.com](mailto:ezadinb@yahoo.com) / [ezadinb@gmail.com](mailto:ezadinb@gmail.com)

**2- Scientific Qualifications:** Ph.D. in Geophysical Science

**3- Scientific Title:** Professor since 2014

**4- Previous Employment Experience (Official Position):**

- a. Member of teaching staff for More than 36 years in Salahaddin and Sulaimani universities.
- b. Dean of Basic Education College, Sulaimani University - Iraq. (From 2003 to 31 July 2010).
- c. Representative of President of Sulaimani University in Iraqi Higher Education Ministry Council (from 2003 till 2004).
- d. Head of Computer Science Dept. – College of Science – Sulaimani Univ. (from 2001-2003).
- e. Director of Computer center at University of Salahaddin (from 1992-1996).
- f. Responsible of Computer branch – College of Science - Salahaddin Univ. (1985-1996).
- g. Responsible of Examination and Evaluation office, College of Science-Salahaddin Univ. (1984-1985).

**5- Direct functions:**

**A- Administrative committee and Activities:**

**I. At Salahaddin University:**

- a. Chief of computer committee in College of Science (1986-995).
- b. Computer coordinator and Supervisor of *Central Admission Office* at Ministerial Council - Iraqi Kurdistan Region (1992-1995).
- c. Opened several training courses and teaching in it for computer learning during (1985-1995) for whole Salahaddin University staffs.
- d. Prepare a computer program for Iraqi Kurdistan election in 1992.
- e. Prepared a computer program for student distribution for *Central Admission Office* at Ministerial Council - Iraqi Kurdistan Region in 1992.

**II. At Sulaimani University:**

- a. Member of Science College committee, (from 2001 to 2003).
- b. Member of scientific committee at geology dept., (from 2001 to 2003).
- c. Member of university council during (2003 to 31-July 2010).

***B- Supervising MSc and Ph.D. student:***

- a. Four Ph.D. Students at Sulaimani University, College of Science, Dept of Geology, Iraq.
- b. Three MSc. Students at Sulaimani University, College of Science, Dept of Geology, Iraq.
- c. Co-supervising Ph.D. student (sharing) at Baghdad University at Geology Dept. College of Science.

***C-Teaching Experience and activities at Salahaddin and Sulaimani Universities (1985-2003).***

- a. Geophysical exploration- 3rd year - collage of science, geology dept (1987-1988).
- b. General geology, second year, chemistry dept (1986-1987).
- c. Computer applications in geology, second year, geology Dept. (1986-2003).
- d. Computer Science, for first year, geology dept. (1986-1993 and 2003)
- e. Computer Science, for fourth year, geography dept. (College of Arts) (1991-1992).
- f. Computer Science, 3rd year, Economic dept. (College of Administration and economic) (1991-1992).
- g. Computer Science, for first year, chemistry dept. (1988-1993)
- h. Computer Science, for first year, Biology dept. (1988-1989)
- i. Computer programming in chemistry, for second year, chemistry dept. (1987-1995).
- j. Computer applications for Higher Education (Postgraduate, M.Sc. and Ph.D.). (1990-2003).
- k. Computer programming in Accounting & Management (for first & second year, College of Management and Economics (1994-1995).
- l. Geophysical methods – postgraduate, M.Sc.– Salahaddin University (1999-2000).
- m. Geophysical methods – undergraduate – Sulaimani University (2001-2004).
- n. Geophysical methods – Postgraduate, M.Sc. & Ph.D. – Sulaimani University (2001-2008).
- o. Geophysical methods – Postgraduate, M.Sc. – Salahaddin University (2007/2008).

***D- Computer Languages & software Applications Knowledge's.***

- a. Designed the first student administration – distribution- programs for distribution the Kurdistan students on Salahaddin university Colleges and Institutes (from 1992 till 1995).
- b. Designed a program for Kurdistan region elections in 1993.
- c. Programmer in BASIC, FORTRAN, PASCAL, Visual Basic, and C Languages.
- d. System analyzer: Design many big systems for Library, Student administration & distribution in colleges, and Payrolls using dBase, FOX Pro, Excel, Access software.
- e. Microsoft office, DTP and many other graphics, scientific software.
- f. Publisher User and Design Many Books, Magazines, Newspapers and Journals.

**6- Published Books and Scientific Papers:**

***A. Published Books***

- a. Computer Science & programming in BASIC -1988, (Kurdish not printed due to political issue).
- b. Introduction to the gravity exploration method.
- c. Introduction to the seismic exploration.

## **B. Published Scientific Papers**

- 1.** Magnetic prospecting for Shaikh Ameer and Miqirtaya archaeological hills, east of Mosul city. North Iraq. First festival (workshop) of the Higher Education and Scientific research Ministry of Iraq, 1987.
- 2.** Analytical studies of the gravity data of Southwest Haditha area-Western Desert-Iraq. First festival (workshop) of the Higher Education and Scientific research Ministry of Iraq, 1987.
- 3.** Magnetic prospecting of the archaeological Qul Tappe hill, south Arbil city, Kurdistan Region, Iraq. *J. Sci.Nat.* 2(2), p19-23, October 1993.
- 4.** Possible Triassic folding below Abu Rassain, The Western Desert, Iraq. *J. Sci.Nat.* 1(1), p28-34, September 1991.
- 5.** Qualitative and quantitative analysis of gravity data in south Mosul -Area, N. Iraq. Second Scientific Conference of Salahaddin University. 1993.
- 6.** Magnetic prospecting for Kazhawa and Bestana so or archaeological hills around Sulaimaniyah city. NE-Iraq.
- 7.** Magnetic and Electrical Resistivity Investigations for Archaeological Exploration at Shaba-Cemetery, Erbil (NE-Iraq). *Geophysical Exploration of Archaeological Sites vol.7*, Berlin, 1993.
- 8.** Geophysical study of a solid Bituminous body in Qaradagh region, South Sulaimani city, *JDU (Sci) – special issue*, The first scientific conference of Dohuk University, 2229 April 1999.
- 9.** Resistivity properties of limestone rocks of some geological formations in parts of Iraqi Kurdistan region-NE Iraq, *JZS*, 137, 8(1)-A-, p, 2005.
- 10.** An SW-NE seismic reflection transect at the western desert of Iraq, its tectonic applications, Seventh conference of HE in Iraq, Baghdad – Iraq- September 22-23, 2004 Postgraduate the student in Iraqi Kurdistan region.
- 11.** The situation of the international conference of technology, transfer of university education. Development –Cairo –Egypt September 27-30, 2004.
- 12.** Two-dimension resistivity imaging/ tomography for hydrogeological study in Bazian basin - west Sulaimani city, NE-IRAQ, Workshop 19: "The Big Future Picture of Petroleum Engineering", Dubrovnik, Croatia, June 5 – 9, 2006.
- 13.** Assessing reliability of 2D resistivity imaging to map a deep aquifer in carbonates rocks, Iraqi Kurdistan region. NE-IRAQ. *Proceeding of Hypogene Speleogenesis and Karst Hydrogeology of Artesian Basins International Conference*, May 13 through 17, 2009 in Chernivtsi, Ukraine. p257-265.
- 14.** Paleomagnetic study of Aqra limestone outcrops northeastern Iraq and its tectonic applications, *College of Science Journal, University of Baghdad, Iraq*, 23 pages.
- 15.** Study of a gravity profile along Derbendikhan – Kalar high way. second GeoKurdistan Conference 2012.
- 16.** Study of Subsurface Structures Using Seismic Reflection Data for Kalar-Khanaqin Area, Kurdistan Region, Iraq, *Arabian Journal of Geoscience*, v 7(6), Springer – Holland.
- 17.** Study of subsurface features using seismic reflection data in Erbil area, Kurdistan Region, Iraq, *Arabian Journal of Geoscience*, v7(9), Springer – Holland.
- 18.** The Study of the Gravity Anomaly Maps of West and Southwestern Part of Ninawa Governorate (Iraq), On Significant Applications of Geophysical Methods, *Proceedings of the 1st Springer Conference of the Arabian Journal of Geosciences, (CAJG-1)*, Tunisia 2018
- 19.** The study of the regional seismic line of the western desert (Iraq), *Proceedings of the 2st Springer Conference of the Arabian Journal of Geosciences, (CAJG-2)*, Tunisia 2019.

## **7- Cultural Magazines**

- a. Writing and publishing Many Studies and articles in Arabic and Kurdish magazines and newspapers 1984-1994.
- b. Member of editorial board of Science and Nature Journal, 1991-1994.
- c. Member of editorial board of Iraqi National Journal of Earth Sciences, Mosul University, since 2019-.

## **8- Participation in Conferences and Seminars:**

1. 7<sup>th</sup> Conference of Higher Education, Baghdad, Iraq at Sept 22-23, 2004.
2. First International conference on technology transfer of University Education Development in Cairo, Egypt, Sept 27-30, 2004.
3. Oklahoma University hydrocarbon symposium in Amman- Jordan 7-14 Oct, 2004.
4. Higher Education Management Development Program training course 20- Nov-10-Dec, 2004, Birmingham, UK, (see appendix for certification, Page 7).
5. Discussion on Oil Blocks activities of the Iraqi Kurdistan Region as a professional member of Iraqi Kurdistan Government Delegation, Istanbul, Turkey, December 1-6, 2005.
6. Hydrocarbon symposium and training course in Oklahoma, USA in Sept 2006.
7. Discussion on Oil Blocks activities of Iraqi Kurdistan Region as a professional member of Iraqi Kurdistan Government Delegation, Canada, Feb. 5-12, 2006
8. Training course on using Magnetometer instrument in Feb 2006, San Jose, California, USA.
9. Petroleum Workshop 19: "The Big Future Picture of Petroleum Engineering", Dubrovnik, Croatia, June 5 – 9, 2006.
10. Discussion on Hydrocarbon Blocks activities of the Iraqi Kurdistan Region as a professional technical member with WZA Petroleum Company, Beijing, China August 1 through 6, 2008.
11. The third International Conference on Geo-resource of the Middle East and North Africa, GRMENA-3 (21-24 Feb. 2009), Cairo University, Egypt.
12. Hypogene Speleogenesis and Karst Hydrogeology of Artesian Basins International Conference, May 13 through 17, 2009 in Chernivtsi, Ukraine.
13. Invitation to 9<sup>th</sup> International Multidisciplinary Scientific Geo-Conference & EXPO SGEM 2009, Sofia, Bulgaria, 14-19, 2009.
14. Workshop with Total oil company, 22-23 May 2013.
15. Geophysical workshop for Sulaimani Geological survey directory staff, 27/4 – 5/4/2013, Dept. of Geology, School of science, Sulaimani University.
16. Oil and Gas technical discussion workshop 2014, 25-30/12/2013, Kharkov, Ukraine.
17. Waste management, EIA and Tunnel project workshop, 16-24/4/2014, Stockholm, Sweden.
18. Processing & Interpretation of Seismic reflection workshop, Natural resources Min-Erbil, 20- 21 Nov, 2013.
19. Cleaner Environmental for better future workshop, 17-18/5/2014, School of science, Sulaimani University.
20. Workshop about Gravity, GPR and GIS workshop, 27/1 – 5/2/2014, Dept. of Geology, School of science, Sulaimani University.
21. Geophysical workshop, Geology Department, College of Science, Sulaimani University, Dec 2014.
22. Workshop on (Oil and Gas new technical discussion) SINOPEC, Beijing, China. August 2008
23. Workshop on (Oil and Gas Technical Discussion) Shengli Oil Field Wanhe Petroleum Engineering Technology Company SINOPEC, China. May 2017
24. Workshop on Oil and Gas Technical Discussion, Prestil Energy co., Ukraine, December 2013.



25. Workshop Participation (KRG Water law) at Wza Petroleum Company Nov.2015.
26. Workshop Participation (Preparation of EIA and ESIA Study) at AF Company Sweden, January 2014.
27. 1st Springer Conference of the Arabian Journal of Geosciences, (CAJG-1), Tunisia, 2018.
28. 2nd Springer Conference of the Arabian Journal of Geosciences, (CAJG-1), Tunisia, 2019.

**9- Thanking, acknowledgment and Discretion (compliment):**

- a. More than 20 thanking and discretion letters from my Colleges Dean during my work and occupations at Salahaddin University.
- b. More than 7 thanking and discretion letters from president of Salahaddin University during my work and occupations at Salahaddin University.
- c. One thanks and discretion letters from Kurdistan Region Prime Minister 1994.
- d. One thanks and discretion letters from Kurdistan Region Education Ministry 2005.
- e. Thanks, from Ministry of higher education, Presidency of the university, Environmental General Directorate,

**10- Societies and Scientific Geology and Computer affairs:**

- a. Member of American Society of Exploration geophysics (SEG) since 2013.
- b. Member of European Association of Geological Exploration (EAGE) since 2014.
- c. Member of Geological Society of American (GSA)
- d. Member of Iraqi geological society.
- e. Member of Teacher Union's of Kurdistan.
- f. Member of Kurdistan geological society.
- g. Founder members of Kurdistan Human Rights Organization (1992 to 1994).
- h. Member of university council (from 2003 to July 2010).
- i. Member of Baban cultural and social center (from 2013-).
- j. Member of editorial board of Iraqi National Journal of Earth Sciences, Mosul University, 2019-2020.

<b>S N</b>	<b>Client</b>	<b>Block / location</b>	<b>Purpose</b>	<b>Year</b>
1	Forbes Manhattan	Chia Surkh	2D Seismic Survey	2008
2	Forbes Manhattan	Chia Surkh	CSK-10 Exploration	2010
3	Forbes Manhattan	Chia Surkh	CSK-11 Exploration	2011
4	Niko Resources Ltd.,	Qaradagh	2D Seismic survey	2008
5	Niko Resources Ltd.,	Qaradagh	Exploration Well-1	2009
6	Niko Resources Ltd.,	Qaradagh	Exploration Well-2	2012
7	Heritage Oil	Miran	2D Seismic survey	2007
8	Bazian Refinery	Bazian	Refining process	2009
9	Jabal Bazian Cement	Bazian	Cement Plant	2012
10	Ata Hama Salih	Arbat	Altun city Residential	2010
11	Tawer Cement plant	Bazian	Cement factory	2011
12	Bota Cement Factory	Maidan	Cement factory	2011
13	Risk company	TaqTaq	Well production	2012
14	Risk Company	Sheikhan	Well production	2013
15	Gazprom company	Shakal	3D seismic Survey	2014
16	EKOR Company Ltd	Bazian	Ekor refinery	2015
17	KAR Company	Sarsang	Pipeline	2018
18	Pearl Company	Block 19	Drilling well	2020
19	Pearl Company	Chamchama	3D seismic survey	2020