

# Sasan Bagheri

## Associate Professor

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## Education

- B.Sc, Geology,University of Isfahan - 1990
- MS, Geology-Petrology,University of Isfahan - 1994
- PhD, Tectonics,University of  Laussane - 2007

## Courses

1. Petrofabrics
2. Metamorphic rocks
3. Structural Geology
4. Physical Geology

## Master Thesis

1. Evalution of effective factors on the ground water quality in the Saravan  plain and surrounding areas , Sistan and Baluchestan provincemkjjooo

   حليمه دامني, [Reza Jahanshahi, Sasan Bagheri, Mohamad reza Mir balochzahy, Naser Asadi, Abdolreza Partabian, Habib Biabangard]

   نيمسال اول سال تحصيلي98-99

2. Structural contral of Sb-Au mineralization, Tuzgi, southeast of Zahedan,Sistan suture zone

   پوريا شيرزايي, [Sasan Bagheri, Mohammad Boomeri]

   نيمسال اول سال تحصيلي98-99

3. Presentation of Sirjan arc-shaped mega- stucture in southeast of the sananday - sirjan zone and discussion on its origin

   فريبا مرشدي نودژ, [Sasan Bagheri, Abdolreza Partabian]

   نيمسال اول سال تحصيلي93-94

# Journals Papers

## 2024

### 1. Cumulate rocks of the Dumak ophiolitic m´elange, Eastern Iranian Ranges: Composition, origin and tectonic implications

Elham Bahramnejad, Sasan Bagheri, Mortaza Sharifi, Nusret Nurlu, Yuruo Shi, Ghodrat Torabi, Moussa N

Geochemistry Volume: (84) 125988-1 - 125988-25

### 2. شيمي و دما فشارسنجي آمفيبوليت هاي مجموعه فاریاب، جنوب ایران

afsane naseri afsandaghe, mohammad rahgoshay, Sasan Bagheri

Iranian Journal of Crystallography and Mineralogy Volume: (31) 757 - 770

### 3. آناليز تكتونيكي مرز خميده شمالي پهنه سيستان با بلوك لوت در شمال بيرجند

shahriar keshtegar, mahmood reza heyhat, Sasan Bagheri, ebrahim gholami, seyed naser raees alsadat

Volume: (9) 163 - 196

## 2023

### 4. بررسي سنگ شناسي و شيمي كاني پريدوتيت هاي مجموعه افيوليتي فاریاب، منطقه گلاشكرد-جنوب شرق پهنه سنندج-سيرجان

Afsaneh Naseri Esfandegheh, Mohammad Rahgoshaei, Sasan Bagheri, Iman Monsef

Iranian Journal of Crystallography and Mineralogy Volume: (31) 361 - 374

### 5. بررسي گارنت آمفيبوليت و گارنت ميكاشيست هاي مجموعه فاریاب با رويكردي بر داده هاي صحرايي، پتروگرافي و شيمي كاني هاي سازنده

afsaneh naseri sfandagheh, mohammad rahgoshay, Sasan Bagheri, eyman monsef

Volume: (13) 661 - 678

### 6. ماهيت و جنبش راندگي ها درکوهزاد پالئوژن شرق ايران: مرز خميده شمالي پهنه هاي لوت و سيستان، منطقه سه چنگي

shahriar keshtgar, mahmood reza heyhat heyhat, Sasan Bagheri, ebrahim gholami, seyed naser raees als

Volume: (8) 212 - 235

## 2022

### 7. Oligocene calc-alkaline lamprophyres and K-rich association in the eastern Iranian ranges: Products of low-degree melting of subduction-modified lithospheric mantle in post-orogenic setting

Masumeh Sargazi, Sasan Bagheri, Xinghua Ma

LITHOS Volume: (430-431) 106864-1 - 106864-18

### 8. شيمي پيروكسن در سنگهاي مافيك بيروني كمپلكس ماهيرود: تاييدي بر ماگماتيسم جزاير قوسي كرتاسه در شرق ايران

Shahriar Keshtegar, Sasan Bagheri, Mohammad Boomeri

Volume: (13) 44 - 59

9. تحليل شكستگي هاي كششي و برشي مزدوج در كنگلومراي منطقه سه چنگي (مرز شمال غربي پهنه هاي ساختاري لوت-سيستان)

shahriar keshtegar, mahmood reza heyhat, Sasan Bagheri, ebrahim gholami, seyed naser raees alsadat

Volume: (6) 33 - 45

10. كاني شناسي و زمين شيمي عناصر جزئي ذخيره كائولن رود معجن، شمال غرب تربت حيدريه، شمال شرق ايران

Ali Akbar Ahmadi, Ali Abedini, Sasan Bagheri, Ali Asghar Kalageri

Iranian Journal of Crystallography and Mineralogy Volume: (29) 719 - 732

## 2021

11. Petrology and Geochemistry of Siahjangal Ophiolite, Northeastern Taftan Volcano

, Habib Biabangard, Sasan Bagheri

Volume: (14) 87 - 99

12. Tectono-stratigraphy environment of Late Jurassic evaporate-carbonate deposits of the Ravar zone, south of Tabas Block

NARGES EDALATIMANESH, Sasan Bagheri, Mohammad Hossein Adabi, Mostafa Ghomashi, Mohammad Boomeri

Volume: (12) 83 - 99

13. Mineralogy and the lanthanide elements geochemistry of the Baharieh kaolin deposit, east Kashmar, NE Iran

Ali Akbar Ahmadi, Ali Abedini, Sasan Bagheri, Ali Asghar Calagari

Iranian Journal of Crystallography and Mineralogy Volume: (29) 415 - 428

14. ساختار چين خورده تداخلي آچاني و گروه دايك هاي خطي مرتبط با آن: روش نويني براي آزمايش خمش هاي اروكلاييني؛ شمال قاين-شرق ايران

Emad Rojhani, Farzin Ghaemi, Sasan Bagheri

Volume: (4) 75 - 89

15. Mineralogy and REE geochemistry of Shotorkhosb kaolin deposit, southeast of the Torbat-e- Heydarieh , NE Iran

Ali Akbar Ahmadi, Ali Abedini, Sasan Bagheri, Ali Asghar Kalagari

Iranian Journal of Crystallography and Mineralogy Volume: (28) 829 - 844

## 2020

16. Diagenesis and early mineralogy of Upper Jurassic limestone in Tabas Block

NARGES EDALATIMANESH, Sasan Bagheri, Mohammad-Hosein Adabi, Mostafa Ghomashi, Mohammad Boomeri

Volume: (11) 47 - 71

### 17. Documentation of the Sirjan Orocline in the southeast Sanandaj-Sirjan Zone, Iran

Abdolreza Partabian, Sasan Bagheri, Fariba Morshedi, Timothy M. Kusky

Journal of Mountain Science Volume: (17) 528 - 541

### 18. petrology and geochemistry of Gabbro member of Samsoor Ophiolite, SE Iran

Habib Biabangard, Sasan Bagheri, JALIL AHMED KARIMZAI

Iranian Journal of Crystallography and Mineralogy Volume: (28) 95 - 110

### 19. Petrology, geochemistry and origin of Mirabad dacitoid dykes, south of Zahedan (Southeast of Iran)

Habib Biabangard, Sasan Bagheri, Soheyla Veysi nasab

Volume: (10) 67 - 82

### 20. Petrology and origin of the Lar igneous complex of the Sistan suture zone, Iran

Mohammad Boomeri, Rahele Moradi, Sasan Bagheri

Geologos Volume: (26) 51 - 64

### 21. The eastern iranian orocline

Sasan Bagheri, Shamsoddin Damani Gol

EARTH-SCIENCE REVIEWS Volume: (210) 103322 -

### 22. New Albian (Cretaceous) radiolarian age constraints for the Dumak ophiolitic melange from the Shuru area, Eastern Iran

Péter Ozsvart, Elham Bahramnejad, Sasan Bagheri, Mortaza Sharifi

CRETACEOUS RESEARCH Volume: (111) 104451-1 - 104451-9

### 23. Propertional shortening mechanism in the Eocene Northwestern structural arc

Mahbubeh Yaghoubi, Sasan Bagheri

Volume: (29) 277 - 286

### 24. Ravoshk fan-shaped structure in the southeast of Qayen: origin and tectonic implication

Emad Rojhani, Farzin Ghaemi, Sasan Bagheri

Volume: (4) 1 - 18

## 2019

### 25. Geology, Re-Os age, S and O isotopic composition of the Lar porphyry Cu-Mo deposit, southeast Iran

Mohammad Boomeri, Rahele Moradi, Holly Stein, Sasan Bagheri

ORE GEOLOGY REVIEWS Volume: (104) 477 - 494

### 26. Investigation of apatite chemistry in Lar igneous complex, North of Zahedan

Rahele Moradi, Mohammad Boomeri, Sasan Bagheri

Iranian Journal of Crystallography and Mineralogy Volume: (27) 281 - 294

### 27. Mineral chemistry of the Mahirud Tonalitic Stock in the Sistan suture zone, East Iran

Shahriar Keshtgar, Mohammad Boomeri, Sasan Bagheri

Volume: (10) 94 - 107

### 28. Tectonic setting of Mahirud Volcano-plutonic Complex Different insight into the geodynamic history of East Iran

Shahriyar Keshtgar, Sasan Bagheri, Mohammad Boomeri

Volume: (29) 131 - 144

## 2018

### 29. Evidences on the presence of Jurassic continental rift system in the Tabas Block

NARGES EDALATIMANESH, Sasan Bagheri, Mostafa Ghomashi, Mahammad Reza Bakhshi Mohebbi

Tectonics Volume: (2) 37 - 44

## 2016

### 30. Conodont biostratigraphy of the Permian- Triassic boundaryin the Baghuk Mountain section northwest of Abadeh

Moein Daryapeyma Hormozi, Habib Biabangard, Sasan Bagheri, Mahammad Reza Bakhshi Mohebbi

Volume: (99) 227 - 238

### 31. بكارگيري ژئوشيمي آمفيبول¬ها در بررسي تحولات تكتونو-متامورفيك همبافت دگرگوني ده سلم، شرق ايران

Sasan Bagheri, Habib Biabangard, Afsane Nasery Esfandaghe, Azam Zahedi,

Iranian Journal of Crystallography and Mineralogy Volume: (24) 605 - 618

### 32. بررسي شيمي بيوتيت در گرانيتوئيد مكسان، جنوب شرق ايران

, Mohammad Boomeri, Sasan Bagheri,

Iranian Journal of Crystallography and Mineralogy Volume: (24) 33 - 44

### 33. Progressive metamorphism in metapelites of the Deh-Salm metamorphic complex, east of the Lut block according to garnet-biotite thermometry

, Sasan Bagheri, Ali Ahmadi,

Volume: (26) 325 - 338

34. Geochemistry, zircon U-Pb age, and tectonic constraints on the Bazman granitoid complex, southeast Iran

, Mohammad Boomeri, Sasan Bagheri, ,

TURKISH JOURNAL OF EARTH SCIENCES Volume: (4) 311 - 340

35. Mineral chemistry of igneous rocks in the Lar Cu-Mo prospect, southeastern part of Iran: implications for P, T, and fO2

Rahele Moradi, Mohammad Boomeri, Sasan Bagheri, k n

TURKISH JOURNAL OF EARTH SCIENCES Volume: (25) 418 - 433

36. بررسي سنگ شناسي و ژئوشيمي متابازيت و متاپريدوتيت هاي كمپلكس دگرگوني ده سلم و گلوگاه، خاوربلوك لوت

Afsane Nasery Esfandaghe, Habib Biabangard, Sasan Bagheri

Volume: (25) 363 - 374

37. Metallogeny and Mineralization Potential of the Bazman Granitoids, SE Iran

Mohammadreza Ghodsi, Mohammad Boomeri, Sasan Bagheri, David Lentz, Daizo Ishiyama

RESOURCE GEOLOGY Volume: (66) 286 - 302

38. Tectonic historical Maherod Complex (Chashma Ostad) based on structural data , East Iran

Shahriyar Keshtgar, Sasan Bagheri, Mohammad Boomeri

Tectonics Volume: (1) 63 - 75

## 2015

39. تعيين شرايط فيزيكو شيميايي و عوامل كنترل كننده كانه زايي با استفاده از كانه نگاري، روابط پاراژنزي و ميان بارهاي سيال در كانسار استيبنيت-طلا شورچاه، جنوب شرق زاهدان

, Mohammad Boomeri, Sasan Bagheri, Azam Zahedi

Volume: (23) 121 - 134

40. سنگ نگاري و ژئوشيمي گرانيتوئيد مكسان، جنوب آتشفشان بزمان

, Mohammad Boomeri, Sasan Bagheri,

Volume: (9) 96 - 108

41. Application of multifractal modeling technique in systematic lithogeochemical survey to identify Au–Cu anomalies in the Siah-Jangal area, Southeastern of Iran

, Mohammad Boomeri, Sasan Bagheri

Arabian Journal of Geosciences Volume: (8) 9517 - 9530

42. Digital Image Processing and Analysis Techniques for Detection of Hydrothermal Alteration Zones: A Cas e Study in Siah -Jangal Area, North of Taftan Volcano, Southeastern Iran

, Mohammad Boomeri, Sasan Bagheri

Journal of the Indian Society of Remote Sensing Volume: (43) 363 - 377

43. تعيين شرايط فيزيكوشيميايي و عوامل كنترل كننده كانه زايي با استفاده از كانه نگاري، روابط پاراژنزي و ميان بارهاي سيال در كانسار استيبنيت- طلا شورچاه، جنوب شرق زاهدان

Rahele Moradi, Mohammad Boomeri, Sasan Bagheri, Azam Zahedi

Iranian Journal of Crystallography and Mineralogy Volume: (23) 121 - 134

44. استفاده از شيمي كاني آمفيبول براي دما-فشار سنجي گرانيتوئيد بزمان، جنوب شرق ايران

Mohammadreza Ghodsi, Mohammad Boomeri, Sasan Bagheri

Iranian Journal of Crystallography and Mineralogy Volume: (23) 585 - 596

## 2014

45. petrography and geochemistry of intrusive rocks in Shurchah antimony-bearing area southeast of Zahedan

Mohammad Boomeri, Sasan Bagheri

Volume: () 15 - 32

46. پتروگرافي و ژئوشيمي سنگ هاي نفوذي در منطقه آنتيموان دار شورچاه جنوب شرق زاهدان

, Mohammad Boomeri, Sasan Bagheri

Volume: (5) 15 - 32

47. پتروگرافي و ژئوشيمي سنگ¬هاي نفوذي در منطقه آنتيموان¬دار شورچاه، جنوب¬شرق زاهدان

, Mohammad Boomeri, Sasan Bagheri

Volume: (18) 15 - 32

## 2013

48. Paleozoic to Triassic ocean opening and closure preserved in Central Iran Constraints from the geochemistry of meta-igneous rocks of the Anarak area

Sasan Bagheri

lithos Volume: (172-173) 267 - 287

## 2008

49. The Anarak Jandaq and Posht-e-Badam metamorphic complexes in central Iran New geological data relationship and tectonic implications

Sasan Bagheri, Gerard M.Stampfli

TECTONOPHYSICS Volume: (451) -

50. استفاده از شيمي كاني امفيبول جهت دما-فشار سنجي گرانيتوئيد بزمان، جنوب شرق ايران

Sasan Bagheri

Volume: () -

51. سنگ شناسي، ژئوشيمي سنگهاي آتشفشاني دشتكوه در شمال ايرانشهر، حوضه فليش شرق ايران.

Moein Daryapeyma Hormozi, Habib Biabangard, Sasan Bagheri, Mahammad Reza Bakhshi Mohebbi

Volume: () -

52. معرفي سفره رانده كوه سرخ در شمال گوه تكنار، شمال شرق ايران

, Sasan Bagheri

Volume: () -

53. بررسي شيمي كاني بيوتيت در گرانيت مكسان، جنوب شرق ايران

, Mohammad Boomeri, Sasan Bagheri

Volume: () -

54. بررسي سنگ شناسي و ژئوشيمي متابازيت و متاپريدوتيت هاي كمپلكس هاي دگرگوني دهسلم و گلوگاه، شرق بلوك لوت.

, Habib Biabangard, Sasan Bagheri

Volume: () -

55. بكارگيري ژئوشيمي آمفيبولها در بررسي تحولات تكتونو-متامورفيك كمپلكس دگرگوني دهسلم، شرق ايران

, Sasan Bagheri, Habib Biabangard,

Volume: () -

# Conferences Papers

### 1. Structural controllers on Sefidabeh antimony mineralization, southest Iran

24th Symposium of Geologicaal Society of Iran

Mehdi Koohsari, Mohammad Boomeri, Sasan Bagheri

## 2019

### 2. Petrology of Siahjangal ophiolite, Northeastern Taftan volcano, Southeast of Iran

26 th symposum of crystallography and minerology

Habib Biabangard, Sasan Bagheri,

## 2018

### 3. Geology and Petrology of East Semsour plain ophiolitic melange, south east of Iran

25th symposuiom of crystallograghy and mineralogy of Iran

JALIL AHMED KARIMZAI, Habib Biabangard, Sasan Bagheri

### 4. Amount and mechanism of shortening in the Eocene carbonate platform, Northwest Birjand

The 4th National Geology and Mining Explorations Symposium

Mahbubeh Yaghoubi, Sasan Bagheri

### 5. Using ISOCON method in the study of the Lar Cu-Mo deposit alterations, North of Zahedan

Rahele Moradi, Mohammad Boomeri, Sasan Bagheri

## 2017

### 6. Turquoise of Neyshabour: a revealed from north of Gondwana

-

Sasan Bagheri, zahra mokhtari,

### 7. Significance of study of deformational structure in ornamental stone extraction; A case study on Aska Mine,ShahKuh Nehbandan

-

Mojtaba Asadi, Sasan Bagheri

## 2016

### 8. The post metamorphism Deformations in Sirjan Orocline Southeast of Sanandaj-Sirjan Zone

4th National symposium of tectonics and structural geology of Iran

, Sasan Bagheri, Abdolreza Partabian, sh d

### 9. Structural Transformations of Volcano-Plutonic Complex of Mahirud, East of Iran

The 4th national congress of geosciences and structural geology of Iran

Sasan Bagheri

## 2015

### 10. The formation and growth of andalusite porphyroblast Compare nucleation rate and growth

7th National Conference of Iranian Society of Economic Geology

, , Habib Biabangard, Sasan Bagheri

### 11. Sirjan arc-shaped mega-structure in southeast and discussion on its origin

19th symposium of the Geological Society of Iran

, Sasan Bagheri, Abdolreza Partabian

### 12. The Study Mineralogy and Economic Potential of Chahar Farsakh Metamorphic Belt

7th economic geology Conferance

, , Habib Biabangard, Sasan Bagheri

### 13. Using RS and DEM data for detection and

7th Symposium of Economic Geology

Mohammad Enghiadi, Mohammad Boomeri, Sasan Bagheri

## 2009

### 14. Khur Platform Tectonic evolution of a part of the Neo-Tethyan back-arc basin in Central Iran

7th Swiss Geoscience Meeting Structtural Geology Tectonics and Geodynamics session Neuchatel Switzerland

Sasan Bagheri, G. M Stampfli, P Moix, Mahammad Reza Bakhshi Mohebbi

## 2008

### 15. Anticlockwise rotation of the centeral-East Iranian microcontinent and the Eurasia-India collision

33rd International Geological Congress

Sasan Bagheri

### 16. Anticlockwise rotation of the Central-East IAnticlockwise rotation of the Central-East Iranian Microcontinent and the Eurasia India Collisia

33rd International Geological Congress

Sasan Bagheri

## 2002

### 17. K-rich magmatism in the Sistan Suture Zone of Eastern Iran Re-emphasis on postcollisional event

The IGS 453 conference on Collisional Orogens in Sion Switzerland

Sasan Bagheri, Mahammad Reza Bakhshi Mohebbi

## 2001

### 18. The Shoshonitic Lamprophyric Magmatism in the region of Sistan Suture Zone East Iran

the 20th congress of Earth Sciences GSI Tehran Iran

Sasan Bagheri, Mahammad Reza Bakhshi Mohebbi

# Research Project

## 2000

### 1. Investigation of north Zahedan magmatism and its relation to mineralization

Sasan Bagheri - 2000

## 1997

### 2. Exploration project of Zeolit group  minerals in Lar - Hormak regions ( Zahedan_ Zabol road)

Sasan Bagheri - 1997