

Curriculum Vitae

(Mr.)Seyed Kazem AlaviPanah

Personal:

- ✚ Name: Seyed Kazem
- ✚ Surname: Alavi Panah
- ✚ Born on 03/08/1958, Abarkooh, Iran.
- ✚ Married with three children

Address:

- ✚ Department of Remote Sensing & GIS
- ✚ Faculty of Geography,
- ✚ University of Tehran, Iran.
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Language:

- ✚ Persian (mother tongue) and English (fluent)

Education:

- ✚ **B.Sc.** Soil science, University of Shiraz, Iran, 1983
- ✚ **M.Sc.** Soil Science (Soil Salinity), University of Tarbiat Moddaress, Tehran, Iran
- ✚ **M.Sc.** Soil Science (Remote Sensing and GIS), University of Gent, Belgium, 1995
- ✚ **Ph.D.** Soil Science (Remote Sensing and GIS), University of Gent, Belgium, 1997



Awards and Honors:

1. The best student paper awarded by Isfahan Univesrity, 1988.
2. The best presented paper in Remote Sensing Conference in India, awarded in 1988.
3. The best paper awarded by Vice chancellor of Ministry of Education in 1989.
4. The best paper presented in Varamin City, Iran awarded by Varamin governor, 1989 .
5. The selected research project titled: "surface temperature of Lut desert" awarded by University of Tehran, 2005.
6. The best Professor in University of Tehran in 2005.
7. The best project in the field of application of RS\GIS awarded by University of Tehran in 2001.
8. The selected research project awarded by University of Tehran, 2004.
9. Acknowledged by the International Conference of Remote Sensing and GIS mapping by the International Institute of Space and Earth Sciences of India and the Netherlands.
- 10.The best research project in the country awarded by the Ministry of Labour and Social Welfare, 1988.
- 11.The best paper presented in Conference of Geomatics in 1997.
- 12.The best paper presented in Conference of Geomatics in 2002.
- 13.Certificate of Appreciation for the best paper in International Conference of Soil Classification, China 1991.
- 14.Certificate of Appreciation for holding the 1st Conference on Application of Remote Sensing and GIS in Study about Central parts of Lut Desert, Iran.
- 15.The best researcher awarded by University of Tehran, in 2004.

16. Certificate of Appreciation for the top prominent researcher of Iran by Ministry of Science, Research and Technology of Iran.
17. The best scientific research ranked second awarded by University of Tehran, 2004 .
18. The best project selected in University of Tehran, 2006.
19. Publication of the book selected as the best in 2007, Thermal Remote Sensing and its Application in Earth Science.
20. Full professor in University of Tehran since 2008.
21. The best book acknowledged by Islamic Republic of Iran ,2007 (Thermal Remote Sensing and its Application in Earth Science).
22. The best author in University of Tehran in 2008.
23. Scholarship from German Academic Exchange Service of University of Gottingen, Germany 2010.
24. Presenting the theory of “Heat as an Indicator for Intelligence of the World” (relation of time, space, and thermal) for the first in the world, and holding the conference of Heat as an Indicator for Intelligence of the World. 2011.
25. Selected as the international professor of University of Tehran, 2012.
26. Certificate of Appreciation by SMPR (ISPRS) conference for keynote speaker.
27. Erasmus Scholarship from Freie university of Berlin 2012.
28. Head speaker of EARSEL seminar.
29. Establishment of RS and GIS PhD in geography faculty, University of Tehran, 2012.
30. The Award of Allame Tabatabaei by The President of Islamic Republic of Iran, 2014.

31. Establishment of the first B.S course of Remote Sensing & GIS in university of Tehran .iran.
32. Establishment of the first M.Sc course of Remote Sensing & GIS in university of Tehran .iran.
33. Establishment of the first Ph.D course of Remote Sensing & GIS in university of Tehran .iran.
34. Book of thermal remote sensing selected as one of the 80 treasures of university of Tehran press.
35. Two Quatrain of Khayyam included in Pillar II of World Soil Charter.2014.
36. The selected professor in university of Tehran , 2016
37. Certificate of Appreciation University of Shiraz for keynote speaker, 2016.
38. Certificate of Appreciation by 2nd International Geosciences congress for keynote speaker, 2016.
39. Certificate of Appreciation by 1st South Asian SURE Conference for keynote speaker. 2017, Pakistan.
40. Cooperation in preparation of the Remote sensing programs of I.R.Iran.
41. Certificate of Appreciation by 2nd world congress on GIS and Remote Sensing for keynote speaker. 2017, Munich, Germany.

Work Experiences:

-  **2004 to present:** The Deputy of post graduate, Faculty of Geography, University of Tehran, Iran
-  **2003 to present:** Associated professor, Faculty of Geography, University of Tehran, Iran

- ✚ **1998 to 2003:** Deputy of Research, International Research Center for Coexisting with Desert, University of Tehran, Iran
- ✚ **1997 to 2003:** Assistant professor in soil science (Remote sensing, GIS and soil salinity). Iran Desert Research Center, University of Tehran, Iran
- ✚ **1993 to 1997:** Post graduate student for Ph.D in Belgium
- ✚ **1992 to 1993:** Scientific member, Iran Desert Research Center, University of Tehran, Iran
- ✚ **1988 to 1990:** Post graduate student for M.Sc. in Iran
- ✚ **1983 to 1991:** Head of Agricultural department, Ministry of Agriculture(Jihade Keshavarzi), Abadeh, Iran
- ✚ **1990 to 1991:** Range land and Forests Organization, Ministry of Jihade Keshavarzi (Agriculture), Tehran, Iran
- ✚ **2008 to present:** Professor of Faculty of Geographty, University of Tehran
- ✚ **2016** Chair of International summit of health and lifestyles Global Soil Threats.

Membership:

1. Scientific Association of EARSEL.
2. Scientific Association of Desert.
3. Board of Directors of Scientific Association of Iran RS & GIS.
4. Board of Directors of Agriculture of engineering organization (NGO) of Iran.
5. Committee of Natural Resource Planning, Iran.
6. Research council of University of Tehran.

7. The Editorial Board of Biaban Journal (Desert Journal, Iran), University of Tehran.
8. -The Editorial Board of Geographical research, University of Tehran.
9. The high council for Natural Disasters, Ministry of the interior, University of Tehran, Iran.
- 10.-The Editorial Board of Iran Geology , University of Shahid beheshti.
- 11.The postgraduate commission of University of Tehran.
- 12.- The research commission of University of Tehran.
13. Commission of environment, University of Tehran.
- 14.The research commission of Iran Desert Research Center, University of Tehran.
- 15.The high council for science and technology of desertification of Iran.
- 16.The Editorial Board of Olome Zamin, University of Sahid Chamran.
- 17.Full professor in University of Tehran since 2008.
- 18.Editorial Board of RS & GIS , University of Shahid beheshti
- 19.Commission of **Iran's** National Elite Foundation.
- 20.International UNCCD-Cop10 (United Nations Convention to Combat Desertification), southern Korea.
- 21.Chairman of the national conference on the application of Remote Sensing and GIS in desert.
- 22.-The Commission of Iranian Remote Sensing and Geographic Information .system society.
- 23.Human science commission of **Iran's** National Elite Foundation.
- 24.Selected member of ITPS.
- 25.Member of FAO.
26. Iran Hazards Advisory Council

27. Geography and Land use Planning and Advisory Council, vice president of strategic monitoring
28. The editorial board of Iran agricultural research, University of Shiraz
29. The editorial board of International Journal Of Geo Science and Environmental Planning
30. American Geophysical Union (AGU)
31. European Geosciences Union

Publications:

Books

- + Heat: An Indicative of the World's Intelligence. Springer.**
- + Research methods in Remote Sensing (translated). 2015. University of Tehran.**
- + Fire decryption and Heat phenomenology. 2016. University of Tehran.**
- + Science and Love, 2016. Tarfand press.**
- + Remote sensing of soil salinity (translated). 2014. University of Tehran.**
- + Remote Sensing and GIS (translated), 2012. University of Tehran.**
- + Fundamental of modern Remote Sensing and interpretation of satellite imagery and aerial photos. 2007. University of Tehran.**
- + The application of Information Technology in the earth sciences. 2008. University of Tehran.**

- ✚ **Thermal Remote Sensing and its applications in the earth sciences. 2006. University of Tehran.**
- ✚ **The applications of Remote Sensing in the earth sciences. 2003. University of Tehran.**
- ✚ **Remote Sensing of Vegetation- Principles, Techniques and Applications (translated), 2017. University of Tehran.**
- ✚ **Advances in Environmental Remote Sensing Sensors, Algorithms and Applications (translated), 2017. University of Tehran.**

Book Chapter

- ✚ **Alavi Panah, S.K., Talebi, S., and Amiraslani F., 2012. Predictability of Water Sources Using Snow Maps Extracted from the Modis Imagery in Central Alborz, Iran.**

English papers:

✚ **International Journals**

1. Jeihouni, M., Toomanian, A., **Alavipanah, S. K.**, & Hamzeh, S. (2017). Quantitative assessment of Urmia Lake water using spaceborne multisensor data and 3D modeling. *Environmental Monitoring and Assessment*, 189(11), 572.

2. Gholamnia, M., **Alavipanah, S. K.**, Darvishi Bolorani, A., Hamzeh, S., & Kiavarz, M. (2017). Diurnal Air Temperature Modeling Based on the Land Surface Temperature. *Remote Sensing*, 9(9), 915.
3. **Alavipanah, S.K.**, Kiavarz, M., KarimifirozJaei, M., Mijani, N. (2017). Spatio-temporal analysis of urban growth from remote sensing data in Tehran city, Iran. *Journal of natural environment change*. **In press**.
4. Khandan, R., **Alavipanah, S.K.**, Biazar, A. P., Gharaylou, M. (2017). Analysis of updraft velocity in mesoscale convective systems using satellite and WRF model simulations. *Iranian Journal of Geophysics*. 10, 57- 70.
5. **Alavipanah, S. K.**, Weng, Q., Gholamnia, M., & Khandan, R. (2017). An Analysis of the Discrepancies between MODIS and INSAT-3D LSTs in High Temperatures. *Remote Sensing*, 9(4), 347.
6. **Alavipanah, S.K.**, Damavandi, A.A., Mirzaei, S., Rezaei, A., Hamzeh, S., Matinfar, H.R., Teimouri, H. and Javadzarrin, I. (2016). Remote sensing application in evaluation of soil characteristics in desert areas. *Natural Environment Change*, 2(1),1-24
7. Hamzeh, S., Naseri, A. A., **AlaviPanah, S. K.**, Bartholomeus, H., & Herold, M. (2016). Assessing the accuracy of hyperspectral and multispectral satellite imagery for categorical and Quantitative mapping of salinity stress in sugarcane fields. *International Journal of Applied Earth Observation and Geoinformation*, 52, 412-421.
8. Haashemi S, Weng Q, Darvishi A, **Alavipanah S. K.** 2016. Seasonal Variations of the Surface Urban Heat Island in a Semi-Arid City. *Remote Sensing*, 8(4):352. doi:[10.3390/rs8040352](https://doi.org/10.3390/rs8040352).
9. Montanarella, L., Pennock, D. J., McKenzie, N. J., Badraoui, M., Chude, V., Baptista, I., Mamo, T., Yemefack, M., Singh Aulakh, M., Yagi, K., Young Hong, S., Vijarnsorn, P., Zhang, G.-L., Arrouays, D., Black, H., Krasilnikov,

- P., Sobocká, J., Alegre, J., Henriquez, C. R., Mendonça-Santos, M. L., Taboada, M., Espinosa-Victoria, D., AlShankiti, A., **AlaviPanah, S. K.**, Elsheikh, E. A. E., Hempel, J., Camps Arbestain, M., Nachtergaele, F., and Vargas, R. 2016. World's soils are under threat. SOLID.
10. Vafakhah, M., Nouri, A., & **Alavipanah, S. K.** (2015). Snowmelt-runoff estimation using radiation SRM model in Taleghan watershed. *Environmental Earth Sciences*, 73(3), 993-1003.
 11. Bahrambeigi, B., Raeisi, D., Alavipanah, S., & Moeinzadeh, S. (2015). The estimation of the surface temperature of basalts in Gandom Beryan-Kerman: as one of the earth thermal poles by using thermal infrared images of ETM+ sensor. *GEOSCIENCES*, 24(95), 125-134.
 12. Jeihouni, M., Delirhasannia, R., Alavipanah, S. K., Shahabi, M., & Samadianfard, S. (2015). Spatial analysis of groundwater electrical conductivity using ordinary kriging and artificial intelligence methods (Case study: Tabriz plain, Iran). *Geofizika*, 32(2), 192-208.
 13. Vahidnia, M. H., Alesheikh, A. A., & **Alavipanah, S.K.** 2015. A multi-agent architecture for geosimulation of moving agents. *Journal of Geographical Systems*. Volume 17, Issue 4, pp 353-390. DOI 10.1007/s10109-015-0218-2
 14. Rashidi, M. **Alavipanah, S. K.** 2015. Relation between kidney cancer and Soil leads in Isfahan Province, Iran between 2007 and 2009. *Journal of cancer research and therapeutics*. Available from: <http://www.cancerjournal.net/preprintarticle.asp?id=154936>
 15. Jeihouni, M., Toomanian, A. **Alavipanah, S.K.** Shahabi, M. Bazdar, S. (2015): An application of MC-SDSS for water supply management during a drought crisis. *Environmental Monitoring and Assessment*. 187: 1-16. Doi: 10.1007/s10661-015-4643-y.

16. Jafari, S. M. Zarre, S. **Alavipanah, S. K.** Ghahremaninejad. 2015. Functional turnover from lowland to montane forests: evidence from the Hyrcanian forest in northern Iran. *I Forest*. Vol 8. PP 359-367.
17. S. Hamzeh, M. Mokarram, **Alavipanah, S.K.** Combination of Fuzzy and AHP methods to assess land suitability for barley: Case Study of semi arid lands in the southwest of Iran. *Desert*. 2014, Vol. 19-2, 173-181.
18. Noshadi, E., Bahrami, H. A., & Alavipanah, S. K. (2014). Prediction of Soil Organic Carbon Content Using Field Measurements and Remotely Sensing Data. *Caspian Journal of Applied Sciences Research*, 3(7). 24-31.
19. Mehdi Samadi, Ali Darvishi Bolorani, **Alavipanah, S.K.**, Hossein Mohamadi. Global dust Detection Index (GDDI); a new remotely sensed methodology for dust storms detection. *J Environ Health Sci Eng*. 2014 Jan 9;12(1):20
20. Nader Habibzadeh , Mahmoud Karami , **Alavipanah, S.K** , and Borhane Riazi (2013) Landscape Requirements of Caucasian Grouse (*Lyrurus mlokosiewiczzi*) in Arasbaran Region, East Azerbaijan, Iran. *The Wilson Journal of Ornithology* 125:1, 140-149.
21. Ghasem Askari, Aigong Xu, Yu Li, **Alavipanah, S.K.** Automatic Determination of Number of Homogenous Regions in SAR Images Utilizing Splitting and Merging Based on a Reversible Jump MCMC Algorithm. *Journal of the Indian Society of Remote Sensing* . September 2013, Volume 41, Issue 3, pp 509-521
22. Goodarzi mehr.S , **Alavipanah, S.K** , Darvishi Bloorani, A , Bahrambeigi, B. using unmixing methods to classify lithological and alteration units based on hyperspectral images. *Journal of Tethys*: Vol .1, No. 1. March 2013
23. Faraji H.A., Hassanpour. S., Azizi A., Malakian. A., **Alavipanah S.K.** "Floodwater spreading site selection by FAHP and GCA and comparison of

- model performance (case study: GARABAYGAN CATCHMENT, FASA PLAIN, SHIRAZ) “ . PHYSICAL GEOGRAPHY RESEARCH QUARTERLY.SUMMER 2013 , Volume 45 , Number 2 (84).
- 24.Nikrooz Bagheri, Hojjat Ahmadi, **Alavipanah, S.K.**, Mahmoud Omid. Multispectral remote sensing for site-specific nitrogen fertilizer management. *Pesq. agropec. bras.* vol.48 no.10 Brasília Oct. 2013
- 25.Seyed Mohammad JAFARI, Shahin ZARRE, **Alavipanah, S.K.** . Woody Species Diversity and Forest Structure from Lowland to Montane Forest in Hyrcanian Forest Ecoregion Institute of Mountain Hazards and Environment, CAS and Springer-Verlag Berlin Heidelberg 2013
- 26.Y. Rafii. **Alavipanah, S.K.** B. Malekmohammadi. M. Ramazani Mehrian. H. Nasiri. “Producing land cover maps using remote sensing and decision tree algorithm (Case study: Bakhtegan national park and wildlife refuge)”. *Geography and Environmental Planning Journal.* , Autumn 2012.vol. 47, No.3.
- 27.Nasiri, H., **Alavipanah, S.K.** , Matinfar, H.R.Azizi, A. Hamzeh, M. “Implementation of Agricultural Ecological Capability Model Using Integrated Approach of PROMETHEE II and Fuzzy-AHP in GIS Environment (Case Study: Marvdasht county)” . *Journal of Environmental Studies*, Nov, 2012. Vol. 38, No.3.
- 28.Hamzeh, S., Naseri, A.A., 2012. **Alavipanah, S.K.**, Mojaradi, B., Bartholomeus, H.M., Clevers, J.G.P.W. and Behzad M., Estimating salinity stress in sugarcane fields with spaceborne hyperspectral vegetation indices, *International Journal of Applied Earth Observation and Geoinformation*, <http://dx.doi.org/10.1016/j.jag.2012.07.002>, Article in press.

29. Jafari, S.M., Zarre, S. , **Alavipanah, S.K** and Ghahremaninejad, F ". Efficiency of point-centered quarter method for exploring vegetation assemblages and woody species diversity along a 2400 m altitudinal gradient in Hyrcanian relict forest ". i Forest journal. In press.
30. Hassanlou, M.R., Zahtabian, G. and **Alavipanah, S.K.**, 2012. Evaluating and Estimating Suspended Solid's Density in Sefidroud Dam's Lake, by Using Remote Sensing Data, World Applied Sciences Journal 16 (6): 863-868, 2012.
31. M. Shirazi , Gh.R. Zehtabian, H.R. Matinfar, S.K. Alavipanah. Evaluation of LISS-III Sensor Data of IRS-P6 Satellite for Detection Saline Soils (Case Study: Najmabad Region). Article 9, Volume 17, Issue 3, Autumn 2012, Page 277-289.
32. M.J. Nematolahi, **Alavipanah, S.K** , Gh.R. Zehtabian, M. Jafari, E. Janfaza, H.R. Matinfar. Assessment of ASTER Data for Soils Investigation Using Field Data and GIS in Damghan Playa. Article 5, Volume 17, Issue 3, Autumn 2012, Page 241-248.
33. H.R. Keshtkar , H. Azarnivand; H. Arzani, **Alavipanah, S.K** , F. Mellati. Land Cover Classification Using IRS-1D Data and a Decision Tree Classifier. , Volume 17, Issue 2, Autumn 2012, Page 137-146
34. Bagheri, N., Ahmadi, H., **Alavipanah, S.K.**, and Omid, M., 2011. Soil-line vegetation indices for corn nitrogen content prediction, Int. Agrophys., 2012, 26, 103-108, doi: 10.2478/v10247-012-0016-8
35. Hamzeh S., Naseri, A.A., **Alavipanah, S.K.**, Bartholomeus, H., Mojaradi, B., Clevers, J. and Behzad, M., 2012. An evaluation of hyperspectral vegetation indices for detecting soil salinity in sugarcane fields using EO-1 Hyperion Data, Geophysical Research, Vol. 14, EGU2012-12289, 2012, EGU General Assembly 2012.

36. Shamsipour, A.A., Zawar-Reza, **Alavipanah, S.K.** and Azizi, G., 2011. Analysis of drought events for the semi-arid central plains of Iran with satellite and meteorological based indicators, *International Journal of Remote Sensing*.
37. Arekhi, S., Shabani A., and **Alavipanah, S.K.**, 2011. Evaluation of integrated KW-GIUH and MUSLE models to predict sediment yield using geographic information system (GIS) (Case study: Kengir watershed, Iran), *African Journal of Agricultural Research* Vol. 6(18), pp. 4185-4198, 12 September, 2011.
38. Shamsipour, A. A., Zawar-Reza, P., **Alavipanah, S.K.** and Azizi, G., 2011. Analysis of drought events for the semi-arid central plains of Iran with satellite and meteorological based indicators, *International Journal Of Remote Sensing*.
39. Matinfar, H. R., F. Sarmadian, and **Alavipanah, S.K.** (2011), Use of DEM and ASTER sensor data for soil and agricultural characterizing, *International Agrophysics*, 25(1), 37-46.
40. Alavipanah, S. K., Matinfar, H. R., Rafiei Emam, A., Khodaei, K., Hadji Bagheri, R., & Yazdan Panah, A. (2010). Criteria of selecting satellite data for studying land resources. *Desert*, 15(2), 83-102.
41. Danesh, M., Bahrami, H. A., **Alavipanah, S.K.** and Noroozi A. A., 2010. A synchronous investigation of soil geometric mean particle diameter and lime, using remote sensing technology (case study: Pol-Dokhtar, the southwest of Lorestan province, Iran), *Journal of Agricultural science and technology*, Vol. 12:479-494.
42. Danesh, M., Bahrami, H., **Alavipanah, S. K.**, and Norouzi, A. A., 2010. Synchronous investigation of soil geomatic mean particle diameters and

- Lime using Remote Sensing technology, Journal of Agricultural science technology (JAST), (in press).
43. Danesh, M., Bahrami, H.A., **Alavipanah, S.K.** and Noroozi A. A., 2010. A Synchronous Investigation of Soil Geometric Mean Particle Diameter and Lime, Using Remote Sensing Technology (Case Study: Pol-e-Dokhtar, the Southwest of Lorestan Province, Iran), J. Agr. Sci. Tech. (2010) Vol. 12: 479-494.
 44. Ladoni, M., **Alavipanah, S.K.**, Bahrami, H. A. and Noroozi A. A., 2010. Remote Sensing of Soil Organic Carbon in Semi-Arid Region of Iran, Arid Land Research and Management, 24:1–11, 2010.
 45. Ladoni, M., Bahrami, H. A., and **Alavipanah, S. K.**, 2009. Estimating soil organic carbon from soil reflectance: a review, Journal of precision Agric DOI 10, 1007/5 11119-912-3.
 46. Amiri, R. Q., Weng, A. M., Alimohamadi, and **Alavipanah, S. K.**, 2009. Multi-temporal dynamics of land surface temperature in relation to fractional vegetation cover and land use cover in the Tabriz Urban area, Iran. Journal of remote sensing of environment.
 47. Moridnejad, A., Abdollahi, H., and **Alavipanah, S. K.**, 2009. Use of satellite remote sensing data, genetic algorithm, and fuzzy system in assessment of water quality indicators in the largest inland body of water.
 48. **Alavipanah, S. K.**, Serajian M. R., and Hamzeh, M., 2009. Determination of LST model of Lut Desert (Iran) based on NOAA-AVHRR and ground measurements.
 49. **Alavipanah, S.K.**, Serajian, M., Ghadiri, M., Karimpour, R., and Moghimi, E., 2008. Efficiency of thermal remotely sensed data in the study of soil. Journal of Agriculture technology, vol. (in press).

50. **Alavipanah, S.K.**, Goossens, R., Matinfar H.R., Mohammadi, H., Ghadiri M., Irannejad, H., and Alikhah Asl, M., 2008. The Efficiency of Landsat TM and ETM+ Thermal Data for Extracting Soil Information in Arid Regions, JAST, No. 10, pp. 439 – 460.
51. Shamsipour, A. A., **Alavipanah, S.K.**, Mohammadi, H., Azizi, G., and Khoshakhlaq F., 2008. Analysis of Drought Events for Central Plains of Iran with NOAA-AVHRR Data. Journal of Desert, 13(2), p. 105.
52. Azizi, G., **Alavipanah, S.K.**, Goodarzi, N., and Kazemi, M., An estimation of the temperature of Lut Desert using MODIS sensor data, 2007. Journal of Biaban, No. 12, pp. 7 – 15.
53. **AlaviPanah, S.K.**, Amiri, R., Matinfar, H.R., Rafiei Emam, A., and Shamsipour, A. A., 2007. Cross Sensor analysis of TM & ETM⁺ spectral information, Pakestsn, Journal of World Applied Sciena. No. 2.
54. **Alavipanah, S.K.**, Serajian, M., Ghadiri, M., Karimpour, R., Moghimi, E., and Savaghebi, 2007. Land surface temperature in the Yardang region of Lut Desert (Iran) based on field measurements and Landsat thermal data. Iran Journal of Agriculture technology. No. 9.
55. Tabari, M., Saeidi, H.R., **Alavipanah, S.K.**, Basiri, R., and Pourmajidian, M.R., 2007. Growth and Survival response of Potted Copressus sempervirens seedlings to different soils. Pakistan Journal of Biological sciences 10 (8), pp. 1309-1312.
56. Matinfar, H.R., **Alavipanah, S.K.**, and Sarmadian, M., 2006. Soil spectral properties of Biaban Arid regions, Kashan area, Iran, Journal of Biaban.
57. **Alavipanah, S.K.**, Shamsipour, A. A., and Amiri, R., 2007. A study of relationship between temperature of surface features and its application in remote sensing, study of Lut Desert. Journal of Biaban, No. 12.

58. **Alavipanah, S.K.**, Komaki, C.B., Goorabi, M.S., and Matinfar, H.R., 2007. Characterizing land cover types and surface condition of yardang region in Lut desert (Iran) based upon Landsat satellite images World applied sciences Journal, vol. 3.
59. Matinfar, H.R., Sarmadian, M., **AlaviPanah, S.K.**, Heck, 2007. Comparison of object-oriented and pixel-based classification of land use/land cover types based on Landsat7, Etm⁺ spectral bands. American-Eurasian Journal, Vol. 4.
60. Matinfar, H.R., **AlaviPanah, S.K.**, and Sarmadnia, 2006. The use of Aster, IRS, TM, ETM and MSS in the study of soil in the Kashan, Biaban Journal (In Press).
61. **Alavipanah S.K.**, Matinfar H.R., Asl, 2006. Optimization of urban mapping in satellite images by combining thermal and reflective remotely sensed data. GIS 2006. Malaysia.
62. Masoudi, M., Gore S.D., and **AlaviPanah, S.K.**, 2005. A new methodology using geographical information system 'GIS' for assessing livestock pressure in the Qareh Aghaj basin, southern Iran. Journal of Nature Environment and pollution technology, Vol 4, no. 4, pp. 461-566.
63. **AlaviPanah, S.K.**, Ehsani, A.H., 2005. Change detection and desertification based on GIS and Multi-spectral satellite data, Journal of research in Geography no. 51,50-57p.
64. **AlaviPanah, S.K.**, Shamsipour, A.A., and Jafarbeiglow, M., 2005. Lut temperature regime, Journal of Biaban.
65. Shahram B., Yamani, M., and **AlaviPanah, S.K.**, 2005. Morphometric-morphologic analysis of drainage systems in Taftan volcanic cone by means of GIS, Dubai.

66. **AlaviPanah, S.K.**, Komaki, C.B., and Ghadiri M., 2004. Behavior of Landsat Thematic Mapper Wavebands of Lut Desert (Iran), Journal of Agricultural science and technology, Vol. 6:31-40.
67. **Alavi Panah, S.K.**, and Ehsani, A.H., 2004. Monitoring desertification based on geographic information system and multispectral, multitemporal MSS, and ETM+satellite data (case study: Damghan playa) proceedings of seventh International seminar on GIS developing countries 10-12 May, 2004.
68. **AlaviPanah, S.K.**, and Ehsani, A.H., 2004. Comparison of information content of TM and ETM bands in playa (case study: Damghan playa, Iran). Proceedings of remote sensing of transition. Gent University, Belgium.
69. **AlaviPanah, S.K.**, 2003. Application of field soil salinity maps in classifying Landsat images 23rd EARSEL Symposium, Remote Sensing in Transition, 2-
70. **AlaviPanah, S.K.**, De Dapper, M., Goossens, R., 2001. Characterization of some soil salinity parameters in the playa margin. Journal of Iran Agricultural research. Vol. 20, No. 2
71. **AlaviPanah, S.K.**, Goossens, R., 2001. Relationship between the Landsat TM, MSS data and soil salinity. J. Agr. Sci. Tech. Vol. 3.
72. **AlaviPanah, S.K.**, De Dapper, M., Goossens, R., and Massoudi, M., 2001. The use of TM thermal band for land cover land use mapping in two different environmental conditions of Iran. J. Agr. Sci. Tech. Vol. 3:331-340.
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