



Expert in Geostatistical Characterization

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LIST OF PUBLICATIONS

Last update: July 2019

PhD thesis

Masoudi, P. (2017). *Application of a hybrid uncertainty-clustering approach in pre-processing well-logs*. PhD (dual) thesis, Géosciences-Rennes and School of Mining of the University of Tehran.

Deliverables and guidance:

D9.60 Guidance to reduce sampling uncertainty (2019) European Joint Programme for the Integration of Radiation Protection Research H2020 – 662287. Deliverable D9.60 (http://concert-h2020.eu/Document.aspx?dt=web&file=/Lists/Deliverables/Attachments/148/D9.60-Guidance%20to%20reduce%20sampling%20uncertainties_approved30072019.pdf&guid=01b5ac77-b2ec-4cda-9c98-917dba396f0f)

D9.62 Guidance on uncertainty analysis for radioecological models (2019) European Joint Programme for the Integration of Radiation Protection Research H2020 – 662287. Deliverable D9.62. (https://territories.eu/assets/files/publications/D9.62_guidance-on-uncertainty-analysis-for-radioecological-models.pdf)

Report after TERRITORIES Workshop #3, planned in Madrid in June 2018 (2018) European Joint Programme for the Integration of Radiation Protection Research H2020 – 662287. Deliverable D9.74. (https://territories.eu/assets/files/publications/D9_74_After-each-training_2nd-year_TERRITORIES_WS2018_2018-11-05_approved07112018.pdf)

Publications in scientific journals:

Masoudi, P., Le Coz, M., Cazala, C., Saito, K. (2019) Spatial properties of soil analyses and airborne measurements for reconnaissance of soil contamination by ¹³⁷Cs after Fukushima nuclear accident in 2011. *Journal of Environmental Radioactivity*: Volume 202, Pages 74-84.



- Moradi, M., Tokhmechi, B., **Masoudi, P.** (2019) Inversion of well logs into rock types, lithofacies and environmental facies, using pattern recognition, a case-study of carbonate Sarvak Formation. *Carbonates and Evaporites*: Volume 34, No. 2, Pages 335–347.
- Masoudi, P.**, Aifa, T., Memarian, H., Tokhmechi, B. (2018) Uncertainty assessment of porosity and permeability by clustering algorithm and fuzzy arithmetic. *Journal of Petroleum Science and Engineering*: Volume 161, Pages 275-290.
- Masoudi, P.**, Aifa, T., Memarian, H., Tokhmechi, B. (2017) Uncertainty assessment of volumes of investigation to enhance the vertical resolution of well-logs. *Journal of Petroleum Science and Engineering*: Volume 154, Pages 252-276.
- Masoudi, P.**, Memarian, H., Aifa, T., Tokhmechi, B. (2017) Geometric modelling of volume of investigation of well-logs for thin-bed characterization. *Journal of Geophysics and Engineering*: Volume 14, No. 2, Pages 426-444.
- Masoudi, P.**, Asgarinezhad, Y., Tokhmechi, B., (2015) Feature selection for reservoir characterisation by Bayesian Network. *Arabian Journal of Geosciences*: Volume 8, No. 5, Pages 3031-3043.
- Masoudi, P.**, Arbab, B., Mohammadrezaei, H. (2014) Net pay determination by Dempster rule of combination, case study on Iranian offshore oil fields. *Journal of Petroleum Science and Engineering*: Volume 123, Pages 78-83.
- Masoudi, P.**, Arbab, B., Mohammadrezaei, H. (2014) Net pay determination by artificial neural network, case study on Iranian offshore oil fields. *Journal of Petroleum Science and Engineering*: Volume 123, Pages 72-77.
- Masoudi, P.**, Tokhmechi, B., Ansari Jafari, M., Zamanzadeh S.M., Sherkati, S. (2012) Application of Bayesian technique in determining net pay zones. *Journal of Petroleum Science and Engineering*: Volume 94, Pages 47-54.
- Masoudi, P.**, Tokhmechi, B., Ansari Jafari, M., Moshiri, B. (2012) Application of fuzzy classifier fusion in determining productive zones in oil wells. *Journal of Energy Exploration and Exploitation*: Volume 30, No. 3, Pages 403-416.
- Masoudi, P.**, Tokhmechi, B., Bashari, A.R., Ansari Jafari, M. (2012) Identifying productive zones of Sarvak Formation by integrating outputs of different classification methods. *Journal of Geophysics and Engineering*: Volume 9, No. 3, Pages 282-290.
- Masoudi, P.**, Zahedi, A.R., Moradzadeh, A., Alirezaei F., Zamanzadeh, S.M. (2011) Estimation of in place gas volume in multilayered reservoirs using deterministic and probabilistic approaches. *Journal of Energy Exploration and Exploitation*: Volume 29, No. 5, Pages 543-557.
- Masoudi, P.**, Tokhmechi, B., Zahedi A.R., Ansari Jafari, M. (2011) Developing a new method for identification of net zones using log data and diffusivity equation. *Journal of Mining & Environment*: Volume 2, No. 1, Pages 53-60.



International conferences:

Masoudi, P., Le Coz, M., Gonze, M.A., Cazala, C. (2018) Optimizing flight-line distance for soil decontamination, application to contaminated Fukushima territories. *3rd European Radiological Protection Research Week*, Rovinj, Croatia.

Masoudi, P., Aïfa, T., Memarian, H., Tokhmechi, B. (2018) Uncertainty propagation from well-logs to petrophysical parameters, using clustering algorithm and fuzzy arithmetic. *7ème Colloque Maghrébin de Géophysique Appliquée*, Alger, Algeria.

Masoudi, P., Ataei, M., Aïfa, T., Memarian, H. (2016) Methodology-selection by fuzzy analytic hierarchy process for studying net pays. *4th International Mine and Mining Industries Congress*, Tehran, Iran.

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