

A fixed point theorem for multivalued mappings on quasi metric space

HACER DAG¹, HAKAN SIMSEK²

¹ *Department of Mathematics, Faculty of Science and Arts, Kirikkale University, Kirikkale, Turkey
and Departamento de Matematica Aplicada, Universitat Politecnica de Valencia, Valencia, Spain*

² *Department of Mathematics, Faculty of Science and Arts, Kirikkale University, Kirikkale, Turkey
hada@doctor.upv.es, hasimsek@hotmail.com*

The purpose of this talk is to provide some new fixed point results for multivalued mapping on some kind of complete quasi metric spaces by taking into account recent contractive technique, which is called F-contraction.

REFERENCES

- [1] I. Altun, M. Olgun and G. Minak, *Classification of completeness of quasi metric space and some new fixed point results*, Submitted.
- [2] S. Cobzaş, *Completeness in quasi-metric spaces and Ekeland variational principle*, *Topol. Appl.*, 158 (2011), 1073-1084.
- [3] H. Dag, G. Minak and I. Altun, *Some fixed point results for multivalued F-contractions on quasi metric spaces*, to appear in *RACSAM* (2016).
- [4] Y. Feng and S. Liu, *Fixed point theorems for multi-valued contractive mappings and multi-valued Caristi type mappings*, *J. Math. Anal. Appl.*, 317 (2006), 103-112.
- [5] D. Wardowski, *Fixed points of a new type of contractive mappings in complete metric spaces*, *Fixed Point Theory Appl.*, 2012, 2012:94, 6 pp.