J. Adv. Math. Stud.
Vol. **8**(2015), No. 1, 09-17
http://journal.fairpartners.ro

φ-CONTRACTIONS IN CONE METRIC SPACES

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Abstract. We establish some fixed point results in cone metric space endowed with a graph. Our results include some results of Huang and Zhang, and Jachmski as special cases. Consequently, we obtain fixed point results for cyclic contraction in cone metric spaces. As an application we also obtain an existence theorem for the solution of integral equation.

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Received: July 26, 2014. *Revised*: November 12, 2014.
2010 *Mathematics Subject Classification*: Visit http://www.ams.org/msc/ 47H10, 54H25.
Key words and phrases: Cone metric, fixed point, directed graph, Picard operator.

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