



ÇANKAYA UNIVERSITY  
FACULTY OF ARTS AND SCIENCES  
DEPARTMENT OF MATHEMATICS

## SEMINAR

### A critical approach metric fixed point theory

**SPEAKER** : Prof. Dr. Erdal Karapınar

**DATE** : 1 March, 2019

**TIME** : 13:30

**PLACE** : Çankaya University (Central Campus), R-213

ABSTRACT. The main goal of this talk is to indicate some indispensable critics on the recent results in the frame of the metric fixed point theory with a retrospective approach. Starting with a brief history of metric fixed point theory, we shall emphasize the mainstreams of the metric fixed point theory researches. After then, we shall show the equivalence of the metric fixed point results that were proved in the setting of different abstract spaces.

The talk will be largely expository.

#### REFERENCES

- [1] S. Banach, Sur les opérations dans les ensembles abstraits et leur applications aux équations intégrales, Fund. Math., 3 133–181, (1922).
- [2] Agarwal, R.P., Karapınar, E., O'Regan, D., Roldan-Lopez-de-Hierro, A.F., Fixed Point Theory in Metric Type Spaces Springer International Publishing (2015)
- [3] R. P. Agarwal, H. Alsulami, E.Karapınar and F.Khojasteh, Remarks on some recent fixed point results in quaternion-valued metric spaces, Abstract and Applied Analysis, (2014) Article Id: 171624

All interested are cordially invited.

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