

# THE PICARD ITERATION IN A $b$ -METRIC SPACE

Ovidiu POPESCU<sup>1</sup>

**Abstract:** *The main aim of this article is to present some generalizes of basic convergence theorem of Picard iteration for various contractive type mappings.*

**Key words:**  *$b$ -metric space,  $\alpha$ -contraction.*

---

\* Transilvania University of Brasov.