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## Documents

Hussain, N.<sup>a</sup>, Shah, M.H.<sup>b</sup>, Kutbi, M.A.<sup>a</sup>

**Coupled coincidence point theorems for nonlinear contractions in partially ordered quasi-metric spaces with a Q-function**  
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<sup>a</sup> Department of Mathematics, King Abdulaziz University, P.O. Box 80203, Jeddah 21589, Saudi Arabia

<sup>b</sup> Department of Mathematical Sciences, LUMS, DHA Lahore, Lahore 54792, Pakistan

### Abstract

Using the concept of a mixed  $g$ -monotone mapping, we prove some coupled coincidence and coupled common fixed point theorems for nonlinear contractive mappings in partially ordered complete quasi-metric spaces with a  $Q$ -function  $q$ . The presented theorems are generalizations of the recent coupled fixed point theorems due to Bhaskar and Lakshmikantham (2006), Lakshmikantham and Iri (2009) and many others. Copyright © 2011 N. Hussain et al.

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