## عنوان مقاله:

 $Construction \ of \ compact-integral \ operators \ on \ C^{n(\ Bbb\{R\}\_+)} \ and \ C^{n(\ Bbb\{R\}\_+)} \ with \ application \ in the \ study \ of \ functional \ integro-differential \ equations$ 

# محل انتشار:

مجله آناليز غير خطي و كاربردها, دوره 15, شماره 10 (سال: 1403)

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#### خلاصه مقاله:

In this brief note, we present a fixed point theorem in the Fr\acute{e}chet space. Also we study a new family of measures of noncompactness on  $C^{\infty}(\Bbb{R}_+)$  and  $C^n(\Bbb{R}_+)$  and we investigate the construction of compact-integral operators on  $C^{\infty}(\Bbb{R}_+)$  and  $C^n(\Bbb{R}_+)$ . Finally, we provide various examples which illustrate the existence of solutions for a wide variety of functional integral-differential equations

### كلمات كليدى:

Family of measures of noncompactness, condensing operators, integral-differential equations

لینک ثابت مقاله در پایگاه سیویلیکا:

https://civilica.com/doc/2021073

