■

On the elliptic problems involving p(x)-Kirchhoff type in unbounded domain.

Abdelmalek Brahim [(1)] Tamrabet Sameh [(2)*]

[1] *Souk-Ahras University, and MDM Laboratory Annaba University Algeria.*

[2] *Khenchela University and MDM Laboratory Annaba University, Algeria*

[*]*Corresponding author : b_abdelmalekb@yahoo.com*

Résumé - Abstract: This paper is devoted to the study of the existence of solutions for a class of elliptic system with nonlocal term in $\mathbb{R}^N$. The main tool used is the critical point theory, related to the Mountain Pass Theorem.

Mots clés - Key word: nonlinear elliptic systems; p(x)-Kirchhoff-type; Palais-Smele condition; mountain pass theorem