

# How different are effects of vinasse biochar on soil erosion in Loess and Marl soils?

*Complementary information*

Seyed Hamizedra Sadeghi<sup>1</sup>, Mahboobeh Kiani-Harchegani<sup>2</sup>, Zeinab Hazbavi<sup>3</sup>, Habibollah Younesi<sup>4</sup>, Padideh Sadat Sadeghi<sup>5</sup>, Rafael Angulo-Jaramillo<sup>6</sup>, and Laurent Lassabatere<sup>6</sup>

1. Department of Watershed Management Engineering, Faculty of Natural Resources, Tarbiat Modares University, Noor, Iran
2. Department of Watershed Management Engineering, Faculty of Natural Resources, Yazd University, Iran
3. Department of Natural Resources, Faculty of Agriculture and Natural Resources, University of Mohaghegh Ardabili, Ardabil, Iran
4. Department of Environment, Faculty of Natural Resources, Tarbiat Modares University, Noor, Iran
5. Department of Watershed Management Engineering, Faculty of Natural Resources, Tarbiat Modares University, Noor, Iran
6. University of Lyon, Université Claude Bernard Lyon 1, CNRS, ENTPE, UMR5023 LEHNA, Vaulx-en-Velin, France (angulo@entpe.fr)

# Indoor experiments



Marl Soil



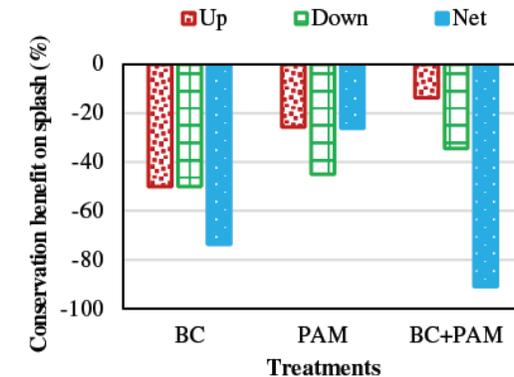
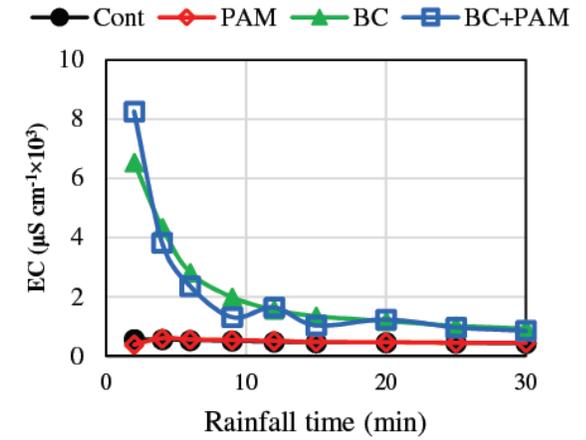
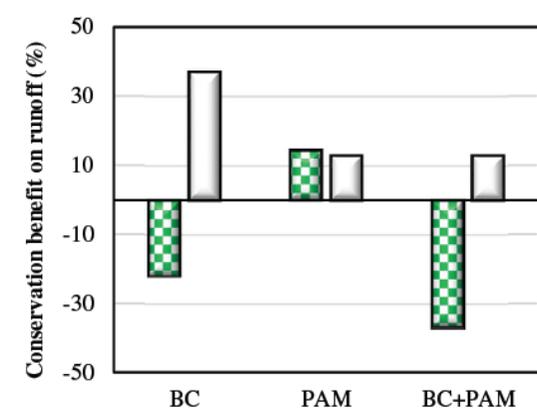
Loess Soil



Biochar (BC)

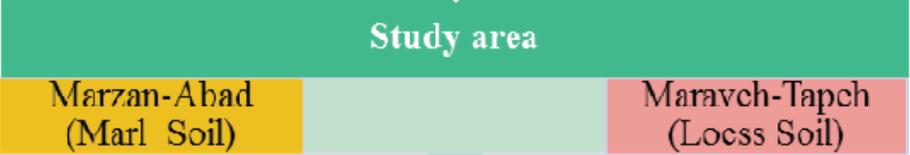


Polyacrylamide (PAM)



# Outdoor Experiments

Effects of Application of BC and PAM on Loess and Marl Soils in Semi-Field Conditions



Soil erosion processes measurement

Splash erosion      Interrill erosion

