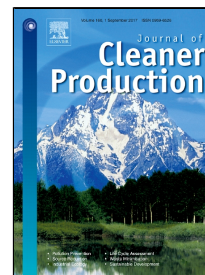


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Evaluation of warm mix asphalt mixtures containing reclaimed asphalt pavement and crumb rubber



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2 **Evaluation of warm mix asphalt mixtures containing reclaimed asphalt**
3 **pavement and crumb rubber**

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8 **Highlights**

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- 10 • WMA mixtures containing the different percentages of RAP and crumb rubber were prepared.
 - 11 • WMA additive in high percentages was added to the mixtures including RAP and crumb rubber.
 - 12 • Stability, moisture susceptibility, fatigue cracking, and dynamic creep tests were evaluated.
 - 13 • The mechanical tests showed an improvement in the mechanical properties of the asphalt mixtures.

14 **Abstract**

15 This study investigates the potential use of crumb rubber and Reclaimed Asphalt Pavement (RAP) in
16 Warm Mix Asphalt (WMA). In fact, the twofold purpose of this research is to improve the performance
17 of asphalt pavement and mitigate the environmental impacts due to waste tires and aged asphalt

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