



University of Science and Technology HOUARI BOUMEDIENE  
Faculty of Mechanical Engineering and Process Engineering  
Laboratory of Valorization and Recycling of Materials  
for Sustainable Development (VRMDD)



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Edited by:  
Dr. Hacina Abchiche  
Dr. Sadjia Bertouche  
Dr. Mounir Mellal  
Dr. Nassila Sabba  
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Hacina Abchiche  
Sadjia Bertouche  
Mounir Mellal  
Nassila Sabba  
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*Editors*

**Dr. Hacina Abchiche, Dr. Sadjia Bertouche, Dr. Mounir Mellal, Dr. Nassila Sabba**

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