

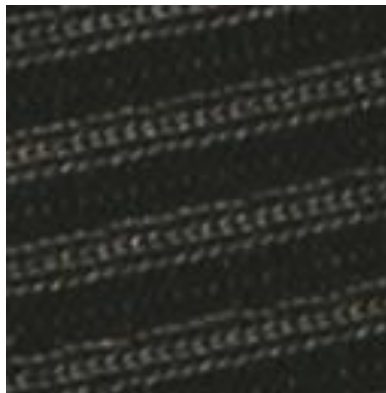
## **Test of 5 different methods of features extraction for CBIR**

**BiT – biodiversity – taxonomy – BiT+Haralick – BiT+GLCM**

**Images used : OUTEX**

**First Test:**

**Query Image**



**Class: 7**

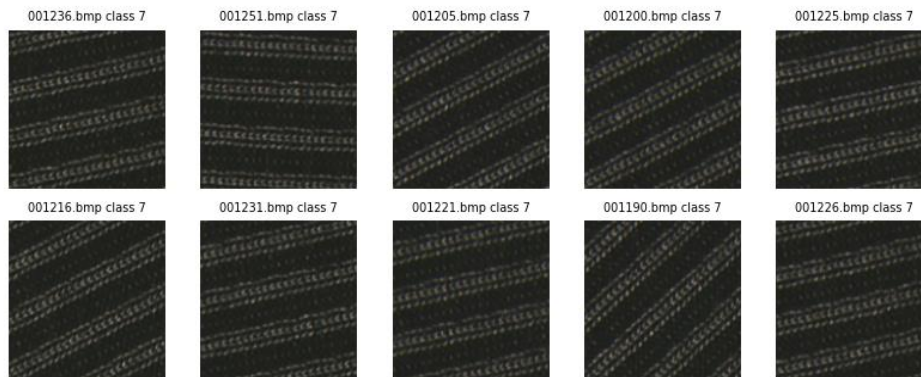
**Outputs:**

## BiT / BiT+GLCM / BiT + Haralick



The 3 methods output the same result : only **3 images** from the same class.

## Biodiversity:



Biodiversity outputs **10 images** from the same class.

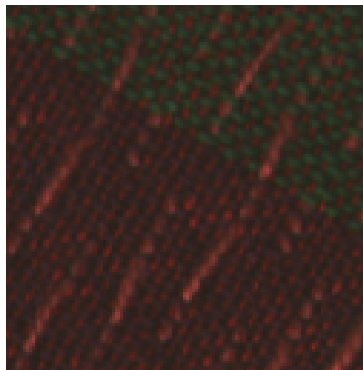
## Taxonomy



Taxonomy outputs only **1 image** from the same class.

**Second test:**

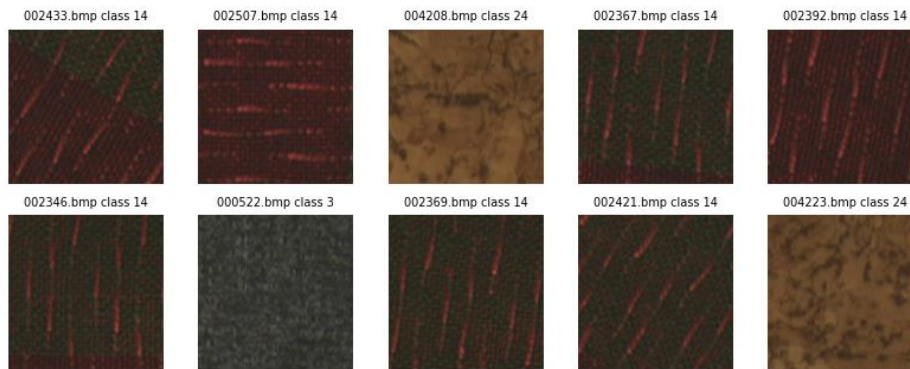
**Query Image:**



**Class: 14**

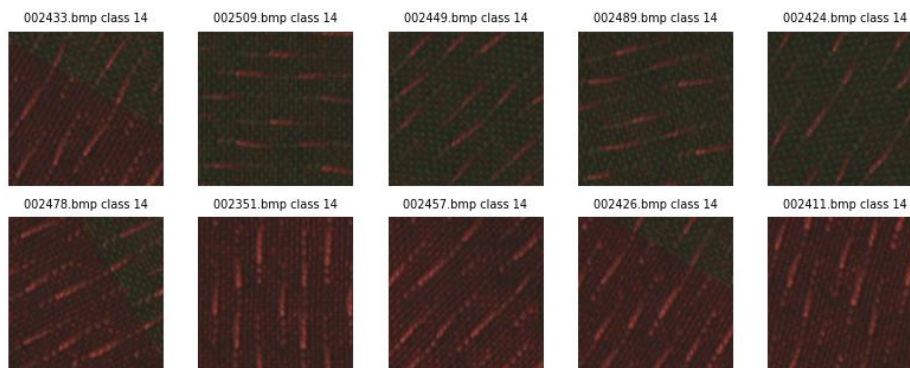
## Outputs:

### BiT / BiT+GLCM / BiT + Haralick



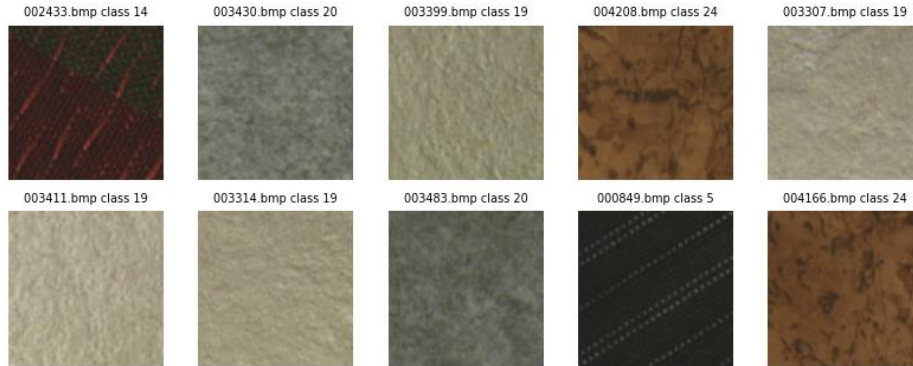
The 3 methods output the same result : 7 **images** from the same class.

### Biodiversity:



Biodiversity outputs **10 images** from the same class.

## Taxonomy



Taxonomy outputs only **1 image** from the same class.

### Third Test:

Query Image:



Class: 24

## Outputs:

### BiT / BiT+GLCM / BiT + Haralick



The 3 methods output the same result: **1 image** from the same class.

### Biodiversity:



Biodiversity outputs **8 images** from the same class.



*So, the biodiversity method gave the best results in the three tests, while taxonomy returned one image only from the same class as the query image!*

*BiT, BiT+Haralick, and BiT+GLCM gave better results than taxonomy but not as accurate as biodiversity.*