|  |  |
| --- | --- |
|  |  |
| (a) | (b) |
|  |  |
| (c) | (d) |
| **Fig. 2** SEM images of the ACC (a) Palm-carb-prior act-C,  (b) Palm-act-prior carb-C. (c) water filtration carbon (WF-C),  (d) regenerated filtration regeneration (RWF-C) | |