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| **Published Researches****الأبحاث المنشورة** |
| Title**عنوان البحث** | * [Comparison between cotton fiber and cellulose powder for wastewater treatment efficiency with nano-crystalline TiO2 by sono-synthesis](https://www.emerald.com/insight/content/doi/10.1108/RJTA-10-2021-0124/full/html?utm_campaign=Emerald_Engineering_PPV_Dec22_RoN)
 |
| Author**الناشر** | * Md Mehedi Hasan Rubel, Syed Rashedul Islam, Abeer Alassod, Amjad Farooq, Xiaolin Shen, Taosif Ahmed, Mohammad Mamunur Rashid, Afshan Zareen
 |
| Source Title**اسم المجلة** | * Research Journal of Textile and Apparel
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| ISSN | 1560-6074 |
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| Link**رابط البحث من موقع المجلة** | <https://doi.org/10.1108/RJTA-10-2021-0124> |
| Abstract**خلاصة** | * The main purpose of this study was to prepare the cotton fibers and cellulose powder by a layer of nano-crystalline-titanium dioxide (TiO 2) using the sol-gel sono-synthesis method to clean the wastewater containing reactive dye. Moreover, TiO 2 nano-materials are remarkable due to their photoactive properties and valuable applications in wastewater treatment.
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