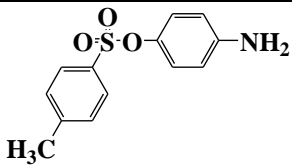
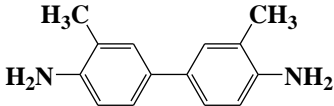
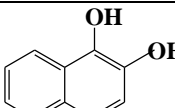
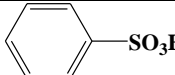
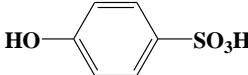
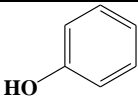
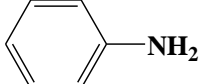


Table S1. Comparison Between BBD, ANN and Experimental Results

| | Decolorization Efficiency | Degradation Efficiency |
|----------------------|---------------------------|------------------------|
| | AR114 | AR114 |
| BBD Results | 1 | 1 |
| ANN Results | 0.99 | 0.985 |
| Experimental Results | 0.988 | 0.968 |

Table S2. Intermediates Recognized by GC-MS

| No | Compound | Retention time (min) | Detected ion m/z (% abundance) | Molecular weight m/z |
|----|---|----------------------|----------------------------------|------------------------|
| 1. |  | 16.27 | 262 (96.73) | 262 |
| 2. |  | 20.56 | 212 (95.56) | 212 |
| 3. |  | 19.561 | 160 (98.52) | 160 |
| 4. |  | 18.522 | 158 (97.85) | 158 |
| 5. |  | 20.545 | 174 (96.56) | 174 |
| 6. |  | 7.5 | 94 (98) | 94 |
| 7. |  | 4.054 | 98.13 (98.65) | 98.13 |