

# Laccase-TEMPO as an efficient system for doxorubicin removal from wastewaters

L.I. Jinga, M. Tudose, P. Ionita

## Supplementary Material

**Table S1.** Influence of time and concentrations of doxorubicin, TEMPO and laccase upon the % of removal of doxorubicin at pH 5

laccase and TEMPO	doxorubicin											
	25 µg/mL				50 µg/mL				75 µg/mL			
	2 h	4 h	6 h	24 h	2 h	4 h	6 h	24 h	2 h	4 h	6 h	24 h
5 µg/mL	0	1	16	<b>27</b>	0	1	9	<b>14</b>	0	2	8	<b>13</b>
10 µg/mL	1	9	26	<b>60</b>	1	5	16	<b>36</b>	2	5	12	<b>29</b>
15 µg/mL	12	27	48	<b>91</b>	7	16	27	<b>75</b>	4	11	19	<b>49</b>
20 µg/mL	17	34	57	<b>92</b>	15	26	40	<b>91</b>	8	16	28	<b>81</b>
25 µg/mL	41	67	90	<b>93</b>	18	33	51	<b>92</b>	14	25	39	<b>92</b>

**Table S2.** Influence of time and concentrations of doxorubicin, TEMPO and laccase upon the % of removal of doxorubicin at pH 7

laccase and TEMPO	doxorubicin											
	25 µg/mL				50 µg/mL				75 µg/mL			
	2 h	4 h	6 h	24 h	2 h	4 h	6 h	24 h	2 h	4 h	6 h	24 h
5 µg/mL	3	16	21	<b>45</b>	1	11	15	<b>24</b>	5	12	16	<b>23</b>
10 µg/mL	3	17	26	<b>55</b>	2	7	19	<b>35</b>	5	14	18	<b>28</b>
15 µg/mL	5	22	33	<b>68</b>	5	12	22	<b>56</b>	9	19	21	<b>44</b>
20 µg/mL	8	25	35	<b>77</b>	7	18	27	<b>72</b>	12	21	25	<b>73</b>
25 µg/mL	15	33	40	<b>100</b>	13	25	34	<b>100</b>	16	23	30	<b>65</b>

**Figure S1.** Calibration curve showing the correlation of the doxorubicin concentration with the values of the registered absorbance at 480 nm

