

## Supporting Information

### Visible light assisted photooxidative facile degradation of azo dyes in water using green method

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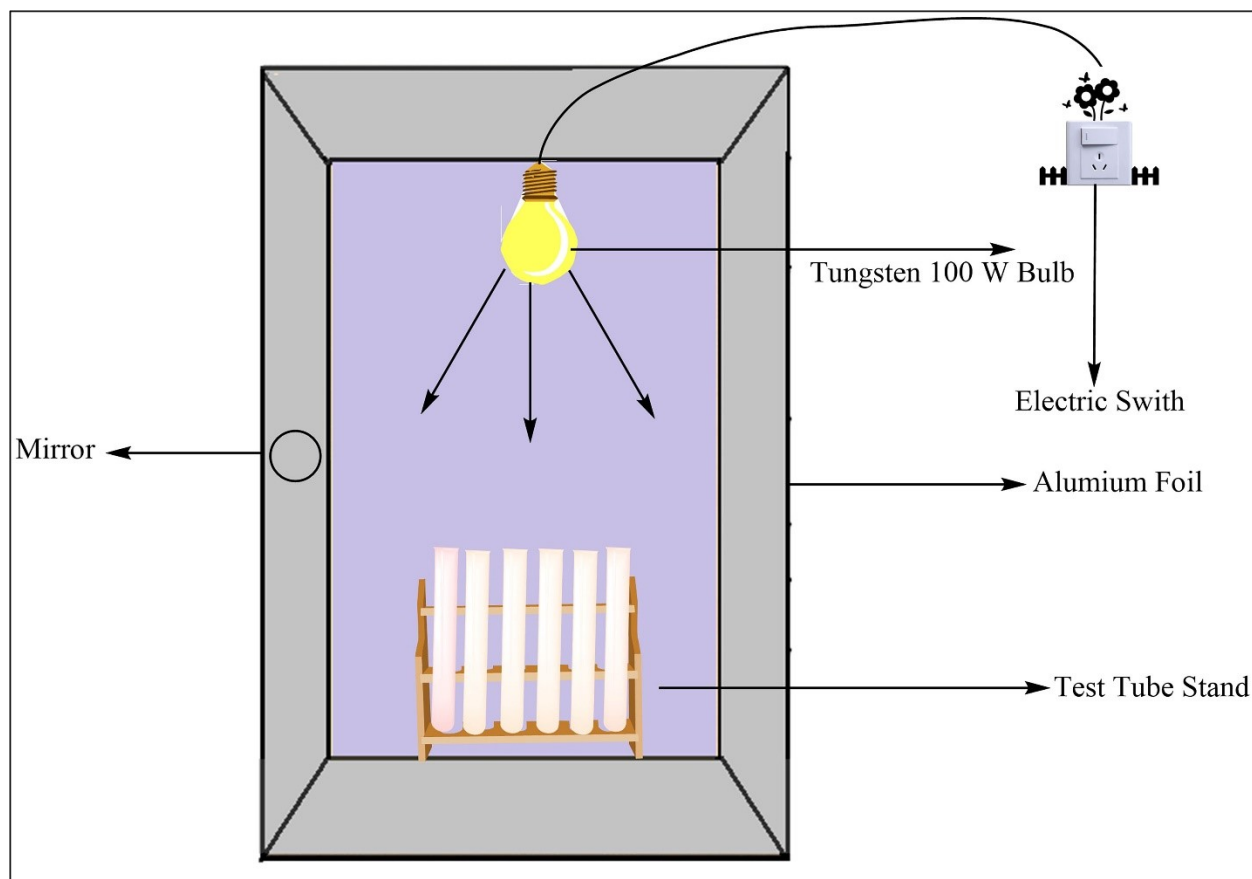
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## Supplementary File

### Main Title: Visible light assisted photooxidative facile degradation of azo dyes in water using green method



**Figure S1** shows a developed Photoreactor box for the photooxidation process.

**Table S1** shows the results obtained from the 108 experimental runs for MO, after 180 min reaction time.

	<b>Factor 1</b>	<b>Factor 2</b>	<b>Factor 3</b>	<b>Response 1</b>
<b>Runs</b>	<b>A: Concentration of Dye</b>	<b>B: Dose of Photooxidative Compound</b>	<b>C: Time</b>	<b>Percentage Degradation</b>
	<b>ppm</b>	<b>g</b>	<b>Minute</b>	<b>%</b>
<b>1</b>	500	0.005	0	3.13

2	500	0.005	0	11.76
3	500	0.005	0	1.52
4	500	0.005	60	28.17
5	500	0.005	60	23.19
6	500	0.005	60	16.42
7	500	0.005	120	53.73
8	500	0.005	120	42.03
9	500	0.005	120	41.79
10	500	0.005	180	72.39
11	500	0.005	180	62.69
12	500	0.005	180	73.13
13	500	0.01	0	6.25
14	500	0.01	0	7.35
15	500	0.01	0	6.06
16	500	0.01	60	31.34
17	500	0.01	60	34.78
18	500	0.01	60	36.76
19	500	0.01	120	59.70
20	500	0.01	120	54.41
21	500	0.01	120	55.22
22	500	0.01	180	71.64
23	500	0.01	180	69.57
24	500	0.01	180	76.12
25	500	0.015	0	8.96
26	500	0.015	0	10.14
27	500	0.015	0	7.35
28	500	0.015	60	52.94
29	500	0.015	60	33.82
30	500	0.015	60	34.85
31	500	0.015	120	77.61
32	500	0.015	120	63.08
33	500	0.015	120	65.67
34	500	0.015	180	84.85
35	500	0.015	180	76.56
36	500	0.015	180	69.23
37	700	0.005	0	8.25
38	700	0.005	0	7.22
39	700	0.005	0	7.00
40	700	0.005	60	43.75
41	700	0.005	60	31.63

42	700	0.005	60	36.36
43	700	0.005	120	60.00
44	700	0.005	120	60.64
45	700	0.005	120	61.86
46	700	0.005	180	67.78
47	700	0.005	180	67.74
48	700	0.005	180	64.13
49	700	0.01	0	10.20
50	700	0.01	0	11.00
51	700	0.01	0	8.25
52	700	0.01	60	28.87
53	700	0.01	60	37.76
54	700	0.01	60	32.26
55	700	0.01	120	48.96
56	700	0.01	120	47.37
57	700	0.01	120	51.09
58	700	0.01	180	57.89
59	700	0.01	180	59.78
60	700	0.01	180	78.02
61	700	0.015	0	10.31
62	700	0.015	0	11.88
63	700	0.015	0	9.09
64	700	0.015	60	32.29
65	700	0.015	60	42.27
66	700	0.015	60	32.65
67	700	0.015	120	53.68
68	700	0.015	120	58.33
69	700	0.015	120	61.70
70	700	0.015	180	67.02
71	700	0.015	180	65.22
72	700	0.015	180	78.02
73	900	0.005	0	12.03
74	900	0.005	0	4.44
75	900	0.005	0	3.68
76	900	0.005	60	52.00
77	900	0.005	60	30.71
78	900	0.005	60	39.23
79	900	0.005	120	76.00
80	900	0.005	120	65.08
81	900	0.005	120	69.60

<b>82</b>	900	0.005	180	92.00
<b>83</b>	900	0.005	180	74.60
<b>84</b>	900	0.005	180	79.03
<b>85</b>	900	0.01	0	3.76
<b>86</b>	900	0.01	0	4.44
<b>87</b>	900	0.01	0	4.38
<b>88</b>	900	0.01	60	43.65
<b>89</b>	900	0.01	60	54.62
<b>90</b>	900	0.01	60	40.60
<b>91</b>	900	0.01	120	79.20
<b>92</b>	900	0.01	120	84.13
<b>93</b>	900	0.01	120	70.08
<b>94</b>	900	0.01	180	86.29
<b>95</b>	900	0.01	180	74.40
<b>96</b>	900	0.01	180	96.06
<b>97</b>	900	0.015	0	3.76
<b>98</b>	900	0.015	0	5.19
<b>99</b>	900	0.015	0	4.41
<b>100</b>	900	0.015	60	39.20
<b>101</b>	900	0.015	60	52.76
<b>102</b>	900	0.015	60	36.15
<b>103</b>	900	0.015	120	75.40
<b>104</b>	900	0.015	120	82.26
<b>105</b>	900	0.015	120	66.67
<b>106</b>	900	0.015	180	83.06
<b>107</b>	900	0.015	180	87.30
<b>108</b>	900	0.015	180	77.95