

SUPPLEMENTARY DATA

Figure A.1 Normal Probability plot of quadratic model fit to the data of response COD(%)

Figure A.2 Normal Probability plot of quadratic model fit to the data of response

Decolorization (%)

Figure A.3 Effect of a) H_2O_2 : Fe^{+2} b) Dye: Fe^{+2} c) pH

Figure A.4 Effect of Dye: Fe^{+2} on COD removal (a) Two dimensional contour and (b) Three dimensional surface

Figure A.5 Effect of H_2O_2 : Fe^{+2} on COD removal (a) Two dimensional contour and (b) Three dimensional contour

Figure A.6 Effect of pH on COD removal efficiency (a) two dimensional contour and (b) Three dimensional surface

Figure A.7 Interaction of parameters for COD removal

Figure A.8 Interaction of parameters for decolorization

Design-Expert® Software
COD

Color points by value of
COD:
87.7095
30.1676

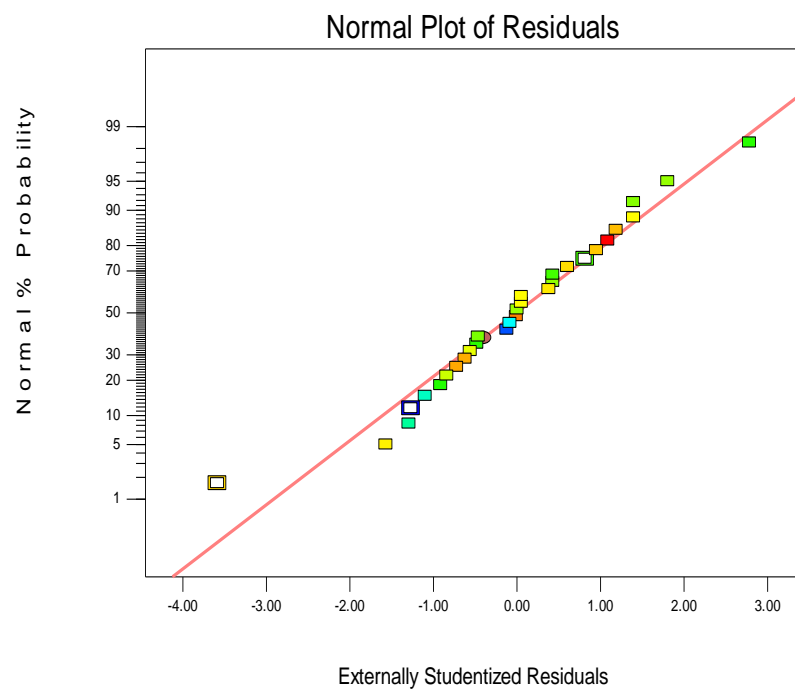


Figure A.1 Normal Probability plot of quadratic model fit to the data of response COD(%)

Design-Expert® Software
Decolorization

Color points by value of
Decolorization:

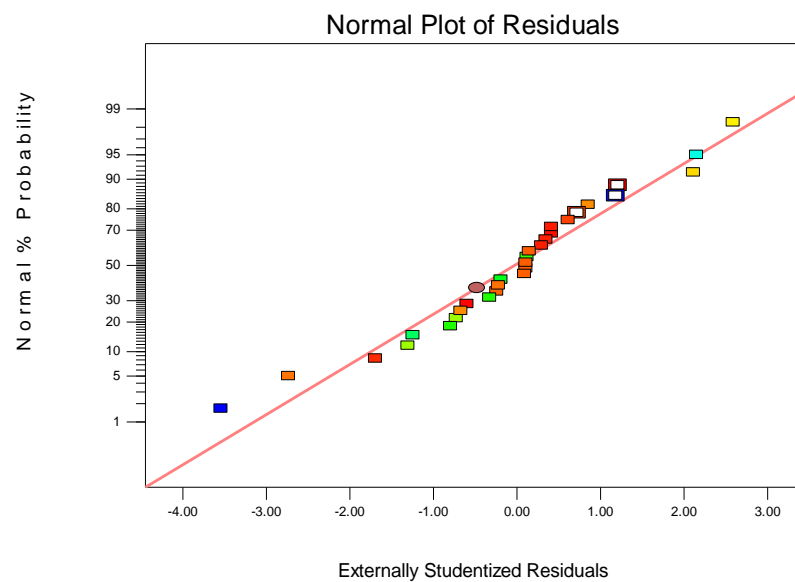


Figure A.2 Normal Probability plot of quadratic model fit to the data of response
Decolorization (%)

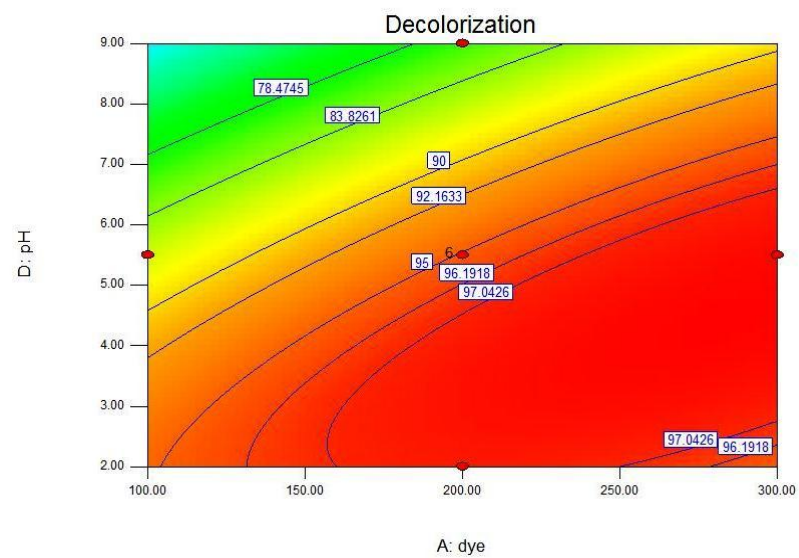
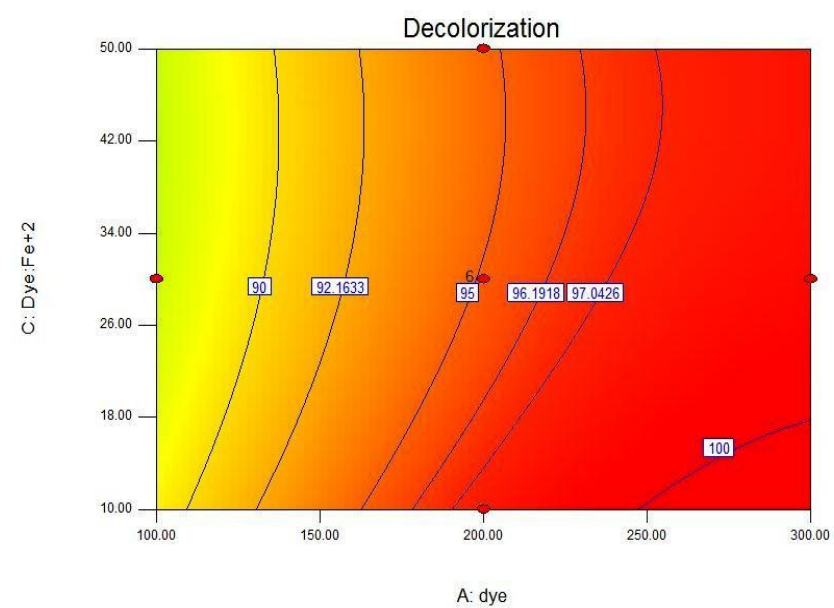
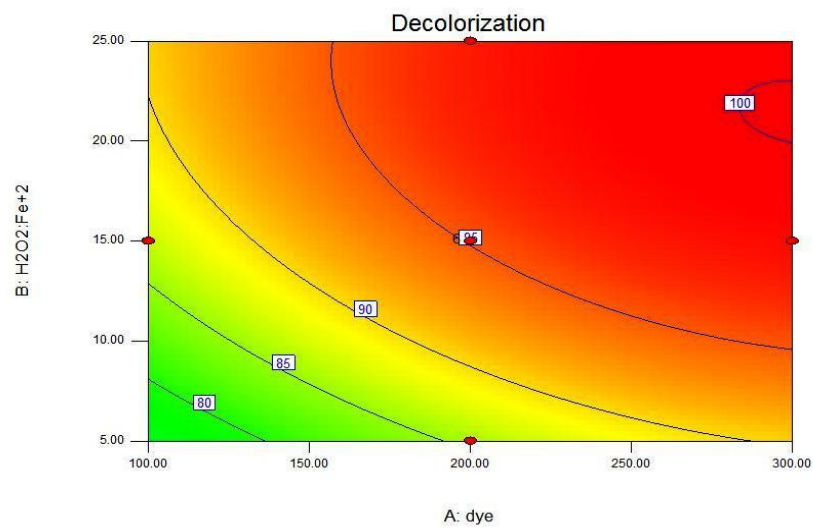


Figure A.3 Effect of a) H₂O₂: Fe²⁺ b) Dye: Fe²⁺ c) pH on decolorization

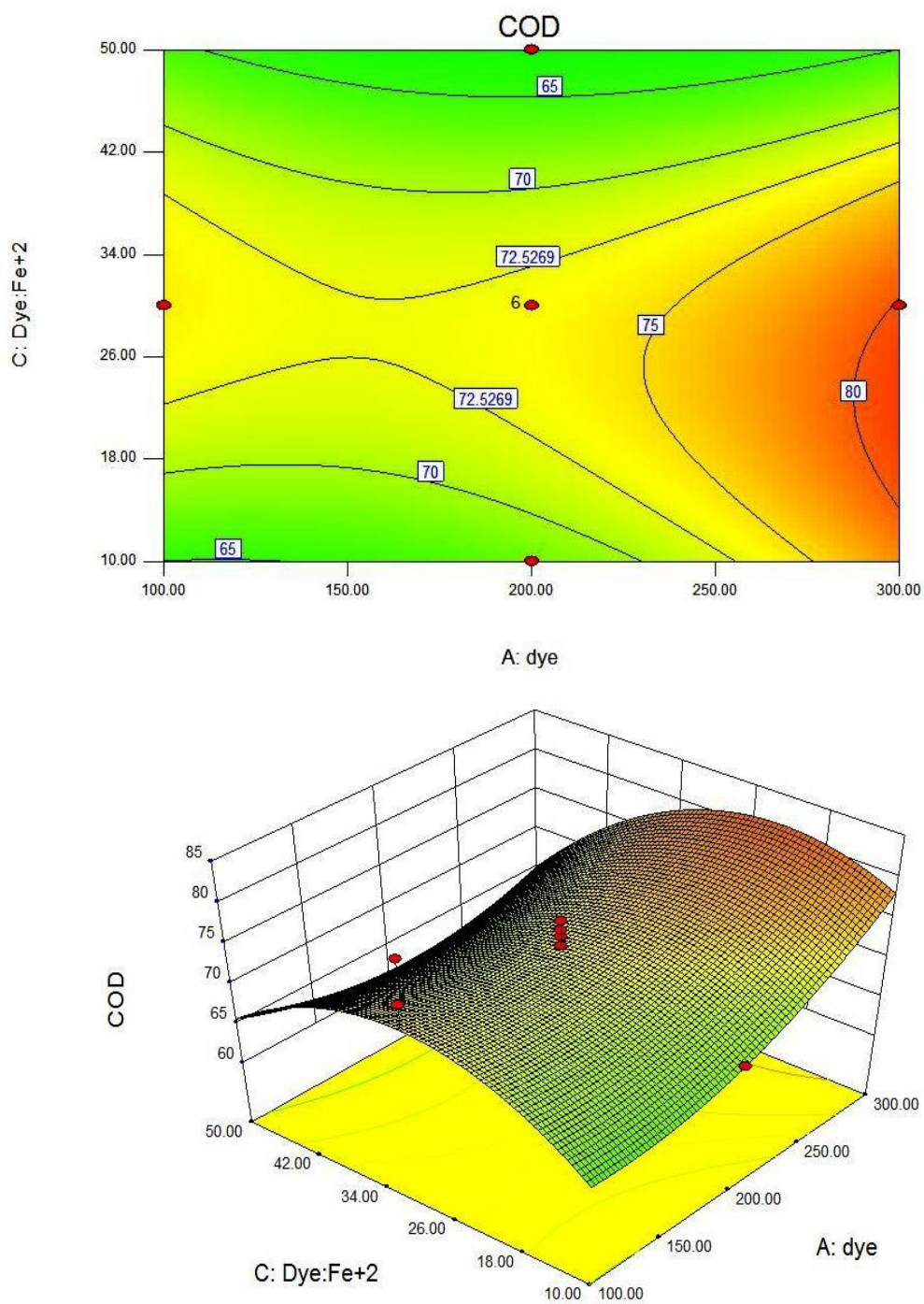


Figure A.4 Effect of Dye: Fe²⁺ on COD removal (a) Two dimensional contour and (b) Three dimensional surface

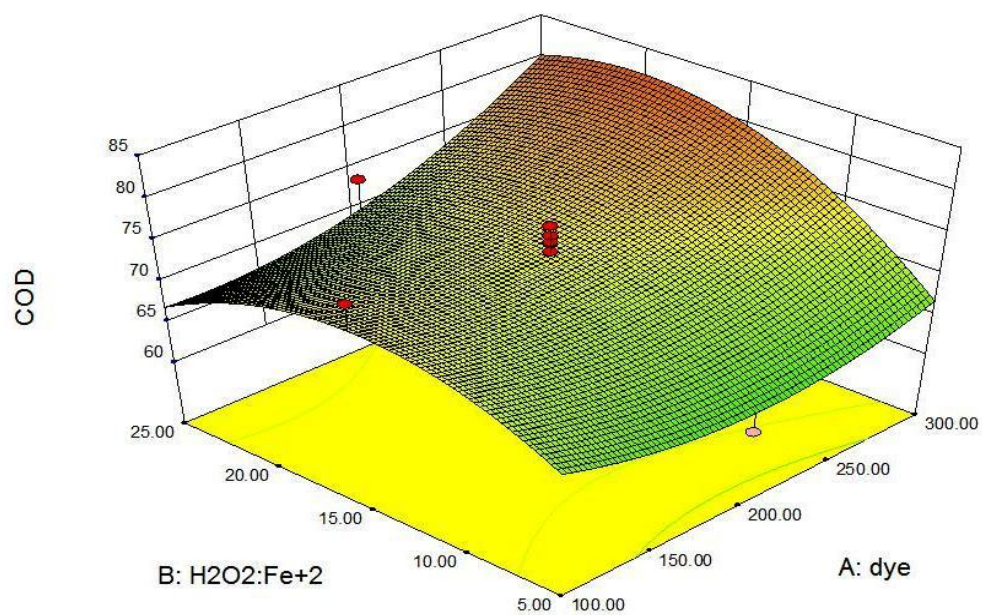
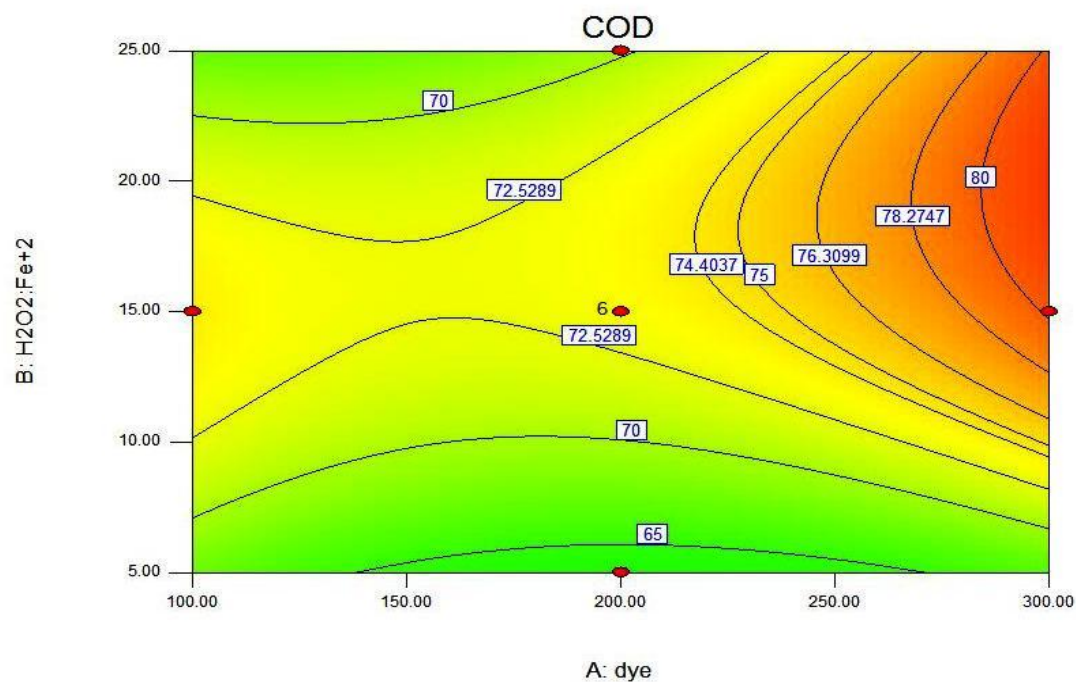


Figure A.5 Effect of H₂O₂: Fe²⁺ on COD removal (a) Two dimensional contour and (b) Three dimensional contour

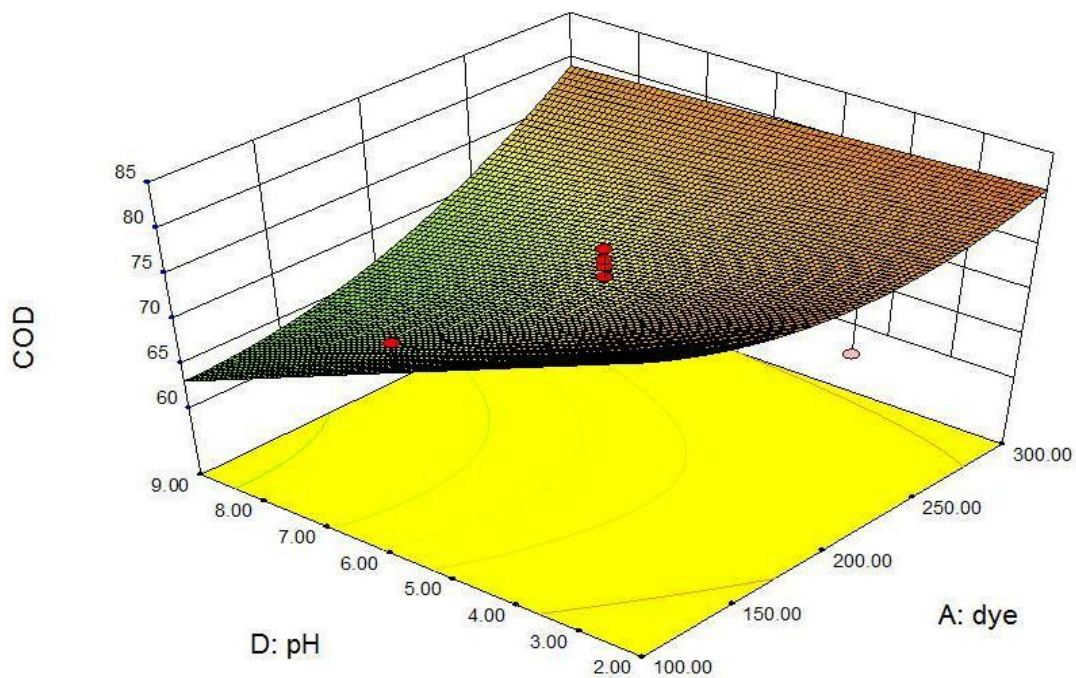
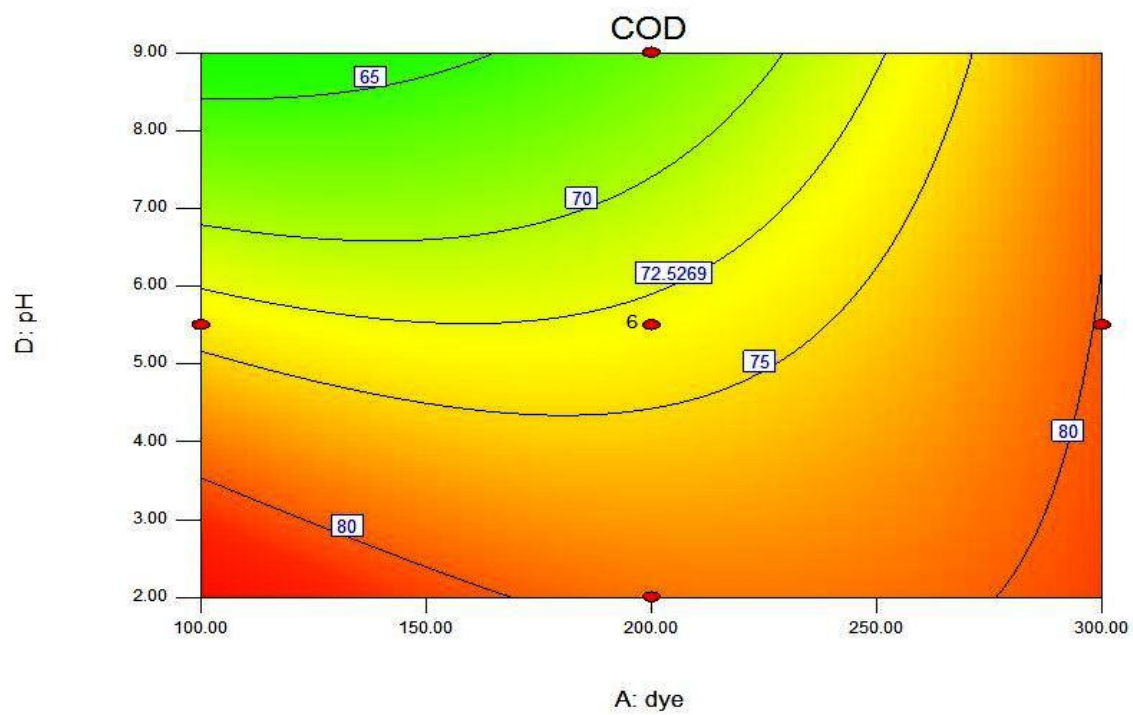


Figure A.6 Effect of pH on COD removal efficiency (a) two dimensional contour and (b) Three dimensional surface

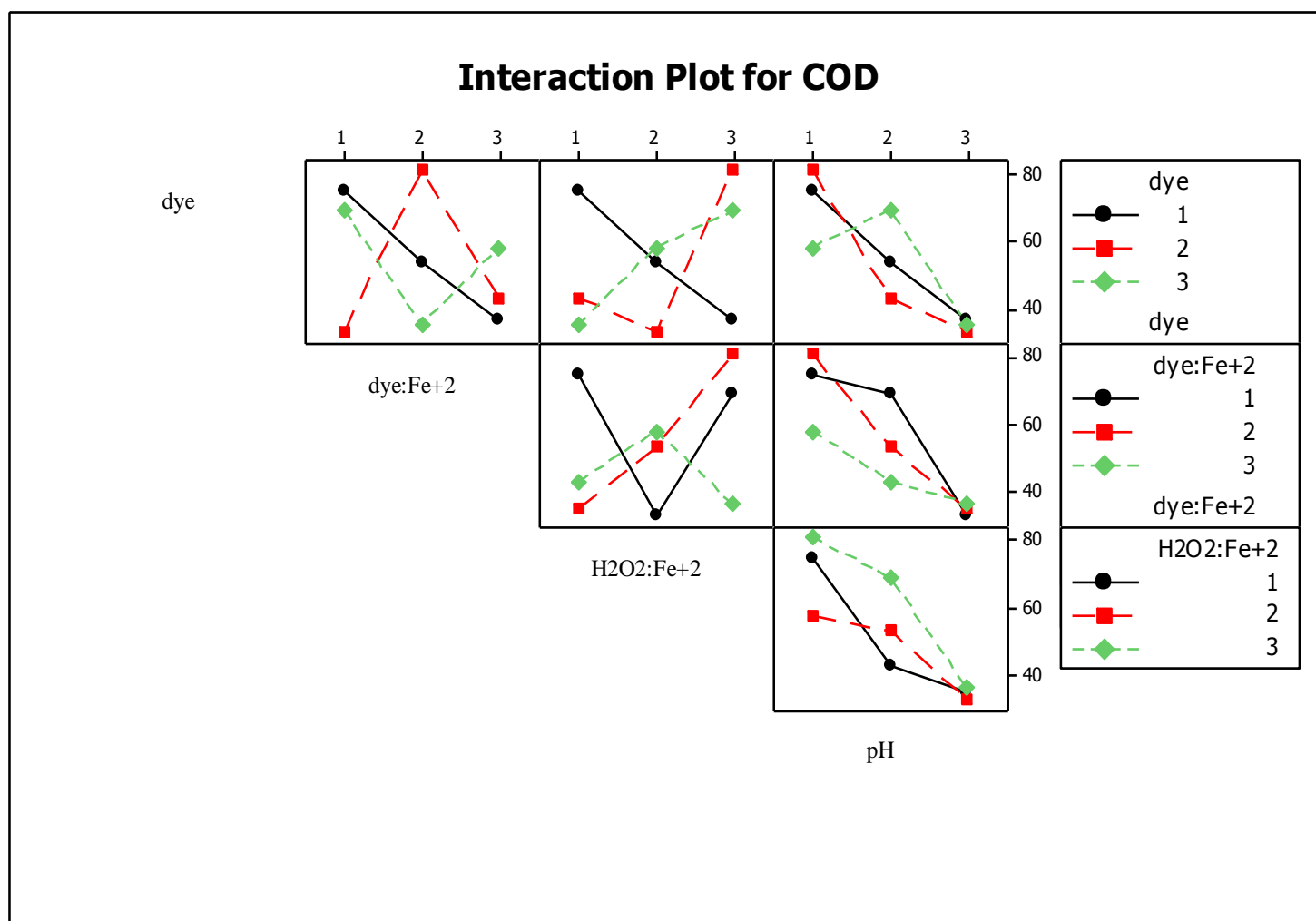


Figure A.7 Interaction of parameters for COD removal

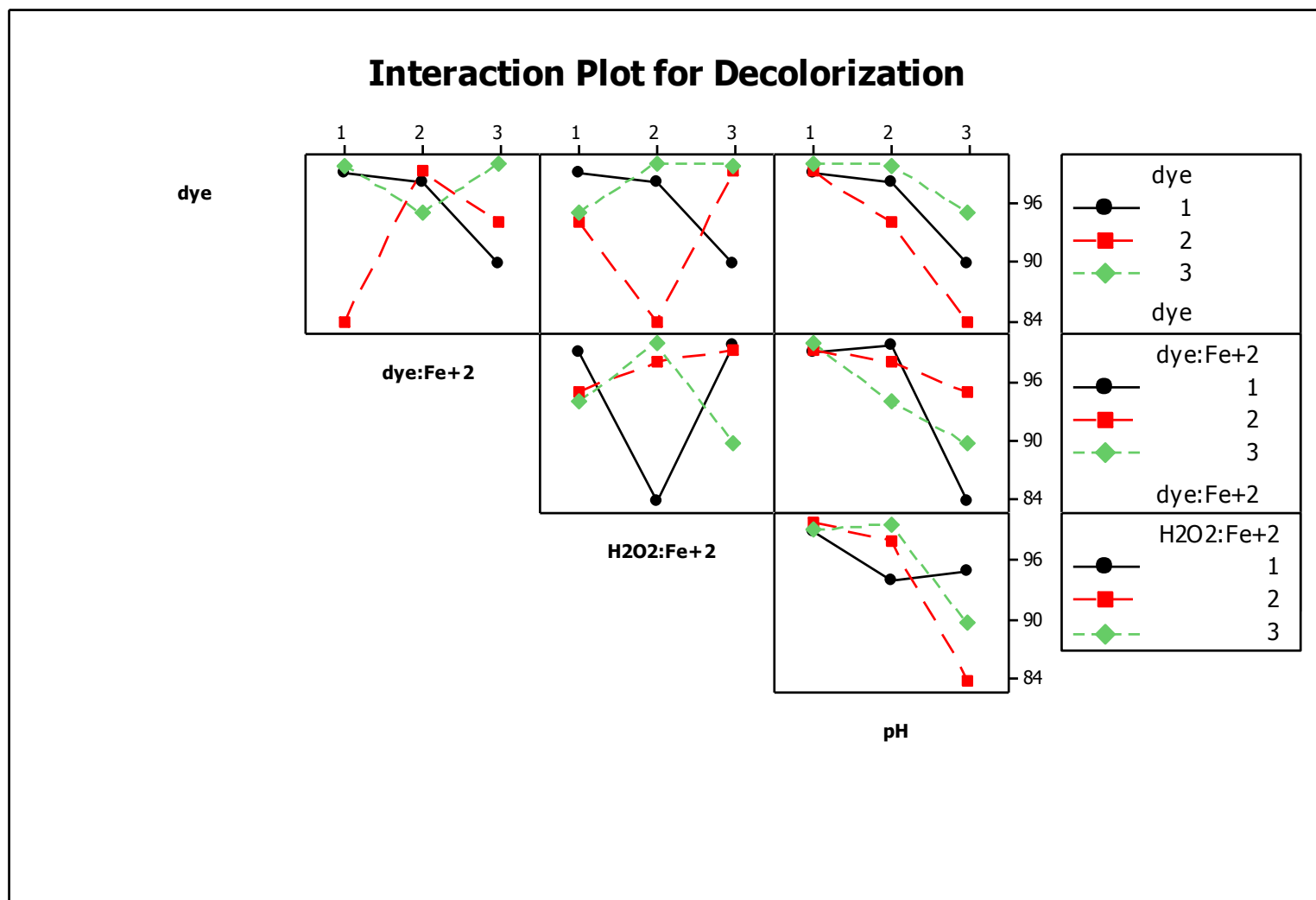


Figure A.8 Interaction of parameters for decolorization