
Contents

Part I:

Formation, Detection and Occurrence of Transformation Products

Mechanisms of Degradation of Synthetic Chemicals

L. P. Wackett · L. B. M. Ellis 3

Predicting the Persistence of Organic Compounds

P. H. Howard 17

Analyzing transformation products of synthetic chemicals

S. Pérez · M. Petrovic · D. Barceló 43

Occurrence of Transformation Products in the Environment

D. W. Kolpin · W. A. Battaglin · K. E. Conn · E. T. Furlong
S. T. Glassmeyer · S. J. Kalkhoff · M. T. Meyer · D. J. Schnoebelen 83

Part II:

Exposure of Transformation Products

Fate of Transformation Products of Synthetic Chemicals

D. Hu · K. Henderson · J. Coats 103

Modelling Environmental Exposure to Transformation Products of Organic Chemicals

K. Fenner · U. Schenker · M. Scheringer 121

Treatment of Transformation Products

C. D. Adams 151

**Part III:
Effects of Transformation Products**

Ecotoxicity of Transformation Products
C. J. Sinclair · A. B. A. Boxall 177

Predicting the Ecotoxicological Effects of Transformation Products
B. I. Escher · R. Baumgartner · J. Lienert · K. Fenner 205

Subject Index 245