

# INTERNATIONAL JOURNAL OF PHARMACEUTICS

---

## *Editors-in-Chief*

A.T. FLORENCE (London, U.K.)  
T. NAGAI (Tokyo, Japan)  
J.H. RYTTING (Lawrence, KS, U.S.A.)

## *Editor*

G. BUCKTON (London, U.K.)

## *Associate Editor*

T. SONOBE (Shizuoka-shi, Japan)

## *Editorial Board*

G. ALDERBORN (Uppsala, Sweden)	Y. MAITANI (Tokyo, Japan)
M.J. ALONSO (Santiago de Compostela, Spain)	G.P. MARTIN (London, U.K.)
D. ATTWOOD (Manchester, U.K.)	A.K. MITRA (Kansas City, MO, U.S.A.)
K.L. AUDUS (Lawrence, KS, U.S.A.)	R.H. MÜLLER (Berlin, Germany)
G. BORCHARD (Piscataway, NJ, U.S.A.)	J.M. NEWTON (London, U.K.)
J. BOUWSTRA (Leiden, The Netherlands)	N. PEPPAS (Austin, TX, U.S.A.)
H.-K. CHAN (Sydney, NSW, Australia)	F. PODCZECK (Sunderland, U.K.)
W.N. CHARMAN (Parkville, Australia)	J.P. REMON (Gent, Belgium)
J.H. COLLETT (Manchester, U.K.)	A.J. REPTA (San Carlos, CA, U.S.A.)
D.Q.M. CRAIG (Norwich, U.K.)	J.R. ROBINSON (Madison, WI, U.S.A.)
D.J.A. CROMMELIN (Utrecht, The Netherlands)	E. SHEFTER (San Diego, CA, U.S.A.)
D. DUCHÊNE (Châtenay-Malabry, France)	K. SUGIBAYASHI (Saitama, Japan)
J.L. FORD (Liverpool, U.K.)	Y. SUGIYAMA (Tokyo, Japan)
J. HADGRAFT (London, U.K.)	I.G. TUCKER (Dunedin, New Zealand)
H. HARASHIMA (Hokkaido, Japan)	I.F. UCHEGBU (Glasgow, U.K.)
W.I. HIGUCHI (Salt Lake City, UT, U.S.A.)	K. UEKAMA (Kumamoto, Japan)
L. ILLUM (Nottingham, U.K.)	A. URTTI (Kuopio, Finland)
I.W. KELLAWAY (London, U.K.)	S.P. VYAS (Sagar, India)
H.G. KRISTENSEN (Copenhagen, Denmark)	D.E. WURSTER (Iowa City, IA, U.S.A.)
A. LLOYD (Brighton, U.K.)	S. YALKOWSKY (Tucson, AZ, U.S.A.)
T. LOFTSSON (Reykjavik, Iceland)	A. YAMAMOTO (Kyoto, Japan)
P. MACHERAS (Athens, Greece)	



**ELSEVIER**

Amsterdam • Boston • Jena • London • New York • Oxford • Paris • Philadelphia • San Diego • St. Louis

VOL. 282 (2004)