

# INTERNATIONAL JOURNAL OF PHARMACEUTICS

---

## *Editors in Chief*

P.F. D'ARCY (London, U.K.), W.I. HIGUCHI (Salt Lake City, UT, U.S.A.)  
and T. NAGAI (Tokyo, Japan)  
(Associate Editor: J.H. RYTTING, Lawrence, KS, U.S.A.)

## *Editorial Board*

G. AMIDON (Ann Arbor, MI, U.S.A.)	I.H. PITMAN (Parkville, Australia)
B.D. ANDERSON (Salt Lake City, UT, U.S.A.)	G. POSTE (Philadelphia, PA, U.S.A.)
G.S. BANKER (Minneapolis, MN, U.S.A.)	B.J. POULSEN (Palo Alto, CA, U.S.A.)
H. BOXENBAUM (Cincinnati, OH, U.S.A.)	A.J. REPTA (Lawrence, KS, U.S.A.)
H. BUNDGAARD (Copenhagen, Denmark)	J.R. ROBINSON (Madison, WI, U.S.A.)
J.T. CARSTENSEN (Madison, WI, U.S.A.)	T.J. ROSEMAN (Round Lake, IL, U.S.A.)
D.J.A. CROMMELIN (Utrecht, The Netherlands)	R.C. ROWE (Macclesfield, U.K.)
S.S. DAVIS (Nottingham, U.K.)	M.F. SAETTONE (Pisa, Italy)
A.T. FLORENCE (London, U.K.)	H. SEZAKI (Kyoto, Japan)
J.L. FOX (Salt Lake City, UT, U.S.A.)	J.E. SHAW (Palo Alto, CA, U.S.A.)
H.L. FUNG (Amherst, NY, U.S.A.)	E. SHEFTER (San Francisco, CA, U.S.A.)
D. GANDERTON (London, U.K.)	D.D. SHEN (Seattle, WA, U.S.A.)
J. HADGRAFT (Cardiff, U.K.)	J. SJÖGREN (Mölnlycke, Sweden)
M. HANANO (Tokyo, Japan)	R.S. SUMMERS (Pretoria, South Africa)
E.N. HIESTAND (Kalamazoo, MI, U.S.A.)	B. TESTA (Lausanne, Switzerland)
N.F.H. HO (Kalamazoo, MI, U.S.A.)	D.J. TEMPLE (Cardiff, U.K.)
T.M. JONES (Beckenham, U.K.)	K. THOMA (Munich, F.R.G.)
K. KNUTSON (Salt Lake City, UT, U.S.A.)	R.F. TIMONEY (Dublin, Ireland)
G. LEVY (Amherst, NY, U.S.A.)	E. TOMLINSON (Horsham, U.K.)
A. LI WAN PO (Belfast, U.K.)	G. ZOGRAFI (Madison, WI, U.S.A.)
J.A. MOLLICA (Wilmington, DE, U.S.A.)	



VOL. 62 (1990)

ELSEVIER SCIENCE PUBLISHERS B.V. – AMSTERDAM