

# 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 (Cambridge, MA, U.S.A.)           |
| A. LI WAN PO (Belfast, U.K.)                | J.L. VILA JATO (Santiago de Compostela, Spain) |
| J.A. MOLLICA (Wilmington, DE, U.S.A.)       | G. ZOGRAFI (Madison, WI, U.S.A.)               |
| J.M. NEWTON (London, U.K.)                  |  |

---



VOL. 65 (1990)

ELSEVIER SCIENCE PUBLISHERS B.V. – AMSTERDAM