

A Bibliography of Monographic Works

Renee B. Bush, Health Sciences Library, SUNY at Buffalo, Buffalo, NY 14214 U.S.A., e-mail:
rbbush@acsu.buffalo.edu

Originally published as:

Bush, R. B. A bibliography of monographic works on biomaterials and biocompatibility. *Journal of Applied Biomaterials*, Vol. 4, 195-209 (1993)

Bush, R. B. A bibliography of monographic works on biomaterials and biocompatibility: Update. *Journal of Biomedical Materials Research (Applied Biomaterials)*, Vol. 33, 107-113 (1996).

Introduction This bibliography and the original work which it updates¹ were compiled as an aid to students and researchers in biomaterials. Because the field of biomaterials is so diverse, pertinent information is spread across the literature of many disciplines. For that reason and because the terminology used in cataloging and indexing the information sources is both inadequate and inconsistent, it is often difficult to identify all of the relevant information available.

This bibliography includes English language books and conference proceedings published from 1974 to 1995. For those proceedings that were also published in journals, journal citations are provided as notes in the bibliography entries. Clearly not every monographic work related to biomaterials could be included in this listing. Instead, titles selected for this bibliography are primarily about (or contain sections about) the materials themselves or what happens when biomaterials are in contact with living tissues.

Entries are listed alphabetically by author or editor, or by title when authors or editors are unknown. Works with more than three authors or editors are listed with only the first name and the notation et al.

Although graduate students and researchers rely primarily on the journal literature, there is still a need for monographic works: a need which is often directly related to the interdisciplinary nature of the biomaterials field. These textbooks, collections of related papers, and scholarly treatments of narrowly defined topics are particularly useful to those just beginning to investigate the field and those who may be learned in one aspect of biomaterials but need to become more familiar with a subject area which is peripheral to their own. These bibliographies can serve as a starting point for such people and for the librarians who assist them in their search for information.

Only English language books and conference proceedings which are primarily about (or contain substantial sections about) biomaterials or biocompatibility were included. Important works which focus on closely related topics such as artificial organs and drug delivery systems, to name only two, are not included. Entries are listed alphabetically by author or editor, or by title when the authors or editors are unknown. Works with more than three authors or editors are listed with only the first name and the notation et al. The numbering of entries begins where the original bibliography ended and all three indexes cover the entire body of work, i.e., the original bibliography and this update.

References

1. Bush, R.B. A Bibliography of monographic works on biomaterials and biocompatibility. *J. Appl. Biomater.* 4:195-209; 1993.

- **Alper, M.** et al., editors. *Biomolecular materials by design*. Pittsburgh, PA: Materials Research Society; 1994. 341 pages (Mater. Res. Soc. Symp. Proc. 330). ISBN 1-55-899229-4.
Note: symposium held November 29 - December 3, 1993, Boston, MA.

- **Anderson, J.M.**, editor. Transactions of the second world congress on biomaterials, the tenth annual meeting of the Society For Biomaterials, and the sixteenth international biomaterials symposium; April 27-May 1, 1984; Washington, DC.
Note: Volume VII.
- **Anderson, J. M., Ziats, N. P.; Sawan, S. P.**, presenters. Biocompatible surfaces: design, characterization, and applications. Lancaster, PA: Technomic; 1991. 312 pages (loose-leaf). ISBN: 0-87-762914-5.
Note: Seminar notes.
- **Andersson, O.H., Happonen, R., Yli-Urpo, A.**, editors. Bioceramics: volume 7: proceedings of the 7th international symposium on ceramics in medicine. Oxford: Pergamon; 1994. 446 pages. ISBN 0-75-062175-3.
Note: symposium held July 1994, Abo Akademi University, Turku, Finland.
- **Andrade, J. D.**, editor. Hydrogels for medical and related applications: a symposium. Washington: American Chemical Society; 1976. 359 pages (ACS Symp. Ser. 31). ISBN: 0-84-120338-5.
Note: Sponsored by the Division of Polymer Chemistry at the 170th meeting of the American Chemical Society, Chicago, IL, August 27-28, 1975.
- **Andrade, J. D.**, editor. Surface and interfacial aspects of biomedical polymers. New York: Plenum Press; c1985. 2 vol. ISBN: Vol. 1. 0-30-641741-3; Vol. 2. 0-30-641742-1.
Note: Contents: Vol. 1. Surface chemistry and physics; Vol. 2. Protein adsorption.
- **Aoki, H., et al.**, editors. Biomaterials, organic and intelligent materials: proceedings of the symposia of the 3rd IUMRS international conference on advanced materials; Advanced materials '93. Amsterdam; New York: Elsevier; 1994. 688 pages (Trans. Mater. Res. Soc. Japan, 15A; Advanced materials '93, 2A). ISBN 0-44-481992-4.
Note: Conference held August 31-September 4, 1993, Sunshine City, Ikebukuro, Tokyo, Japan. Symposia: N Biomaterials; O catalytic materials; Q Ordered polymers; R Photo- and electro-responsive materials; T biosensors; EE Construction and functions of organic thin films; FF Intelligent materials.
- **Aoki, H.** Medical applications of hydroxyapatite: bone mineral, drug delivery system, cancer & HIV, IVH & CAPD, dental implant. Tokyo; St. Louis: Ishiyaku EuroAmerica; 1994. 335 pages. ISBN 1-56-386023-6.
- **Baidamus, C. A.; Koch, K. M.; Schoeppe, W.**, editors. Biocompatibility in hemodialysis. Basel; New York: Karger; 1983. 140 pages (Contrib. Nephrol. 36). ISBN: 3-80553601-1.

Note: Workshop on Biocompatibility in Hemodialysis, held in Bernried, Germany, March 18-20, 1982.

- **Baquet, C.; Dupuy, B.**, editors. Hybrid artificial organs: concepts and development: BIOMAT 88; October, 1988; Centre hospital-universitaire Xavier Arnoz, Bordeaux, France. Paris: Institut national de la sante et de la recherche medicale; 1989. 412 pages (Colloque INSERM 177). ISBN: 2-85-598357-6.
- **Barbenel, J.**, et al., editors. Blood flow in artificial organs and cardiovascular prostheses. Oxford, New York: Oxford University Press; 1989. 265 pages (Oxford Med. Eng. Ser. 8). ISBN: 0-19-857647-1.
Note: Based on papers presented at the 26th Annual Scientific Conference of the Biological Engineering Society, September 23-26, 1986 at the University of Strathclyde, Glasgow.
- **Barbosa, M.A.**, editor. Biomaterials degradation: fundamental aspects and related clinical phenomena. Amsterdam: North Holland; 1991. 436 pages (Eur. Mater. Res. Soc. Monogr. 1). ISBN: 0-44-488867-5.
Note: This European intensive course took place at Povoia do Varzim, Portugal, Sept. 12-16, 1988.
- **Barbosa, M.A.; Campilho, A.**, editors. Imaging techniques in biomaterials: digital image processing applied to orthopaedic and dental implants. Amsterdam; New York: Elsevier, 1994. 391 pages. ISBN 0-44-489774-7.
- **Beard, R. B.**, editor. Transactions of the seventh annual meeting of the Society For Biomaterials in conjunction with the thirteenth international biomaterials symposium; May 28-31, 1981; Rensselaer

Polytechnic Institute, Troy, NY: The Society; 1981. 155 pages.

Note: Volume IV.

- **Bender, M.**, editor. Interfacial phenomena in biological systems. New York: Marcel Dekker; 1991 (Surfactant Sci. Ser. 39). ISBN: 0-82-478436-7.
- **Berry, C.L., Black, M.M.**, editors. The Pathology of devices. Berlin; New York: Springer-Verlag; c1994. 336 pages (Cur. Top. Pathol. 86). ISBN 3-54-054393-7; 0-38-754393-7.
- **Berry, M. J.; Harpole, G. M.**, editors. Thermal and optical interactions with biological and related composite materials. Bellingham, WA: SPIE; c1989. 148 pages (Proc. SPIE 1064). ISBN: 0-81-940099-8.

Note: Papers of one of a six part program held at the Symposium on Medical Applications of Lasers and Optics, January 16-17, 1989, Los Angeles, CA.

- **Biological Engineering Society [and] the Plastics & Rubber Institute.** International conference-biomedical polymers; International symposium-contact lens & artificial eyes; July 12-15, 1982; Universite of Durham. London: The Society; c1982. 322 pages (paperback). ISBN: 0-90-471624-4.
- **Birge, R. R.**, editor. Molecular and biomolecular electronics: developed from a symposium sponsored by the Division of Biochemical Technology of the American Chemical Society at the Fourth Chemical Congress of North America (202nd National Meeting of the American Chemical Society). Washington, D.C.: American Chemical Society; c1994. 596 pages (Adv. Chem. Ser. 240). ISBN 0-84-122698-9.

Note: conference held August 25-30, 1991, New York, New York.

- **Black, J.** Biological performance of materials: fundamentals of biocompatibility. 1st ed. New York: Marcel Dekker; c1981. 256 pages (Biomed. Eng. Instrum. Ser. 8). ISBN: 0-82-471267-6.
- **Black, J.** Biological performance of materials: fundamentals of biocompatibility. 2nd ed. New York: Marcel Dekker; c1992. 400 pages. ISBN: 0-82-478439-1.
- **Black, J.** Orthopaedic biomaterials in research and practice. New York: Churchill Livingstone; 1988. 394 pages. ISBN: 0-44-308485-8.
- **Bonomini, V.; Berland, Y.**, editors. Dialysis membranes: structure and predictions. Basel; New York: Karger; 1995. 140 pages (Contrib. Nephrol. 113). ISBN 3-80-556061-3. Note: international workshop, held June 25, 1994, Marseille, France.
- **Boretos, J. W.; Eden, M.**, editors. Contemporary biomaterials: material and host response, clinical applications. new technology and legal aspects. Park Ridge, NJ: Noyes Publications; c1984. 673 pages. ISBN: 0-81-550980-4.

Note: Based on the Consensus Development Conference on the Clinical Applications of Biomaterials held at the National Institutes of Health, Bethesda, MD, November 1-3, 1982.

- **Bronzino, J. D.** The Biomedical Engineering Handbook. Boca Raton, FL: CRC Press/IEEE Press; 1995. 2862 pages. ISBN 0-84-938346-3.

Note: Sections and section editors: Physiological Systems, R. Plonsey; Bioelectric Phenomena, C.S. Henriquez; Biomechanics, D.J. Schneck; Biomaterials, J.B. Park; Biomedical Sensors, M.R. Neuman; Biomedical Signal Analysis, B. Onaral; Imaging, K.M. Mudry; Medical Instruments and Devices, W.W. von Maltzahn; Biological Effects of Non-ionizing Electromagnetic Fields, C. Polk; Biotechnology, M. Yarmush; Tissue Engineering, B. Palsson and J.A. Hubbell; Prostheses and Artificial Organs, P.M. Galletti; Rehabilitation Engineering, C.J. Robinson; Human Performance Engineering, G.V. Kondraske.

- **Brown, P.W.; Constantz, B.**, editors. Hydroxyapatite and related materials. Boca Raton, FL: CRC Press; c1994. 343 pages. ISBN 0-84-934750-5.
- **Bruck, S. D.** Blood compatible synthetic polymers: an introduction. Springfield, IL: Thomas; 1974. 131 pages. ISBN: 0-39-802931-8.
- **Bruck, S. D.** Properties of biomaterials in the physiological environment. Boca Raton, FL: CRC Press; c1980. 142 pages. ISBN: 0-84-935685-7.
- **Burny, F.; Puers, R.**, principal editors. Monitoring of orthopedic implants: a biomaterials-microelectronics challenge. Amsterdam; New York: North-Holland; 1993. 308 pages (Eur. Mater. Res. Soc. Monogr. 7). ISBN 0-44-481620-8.

- **Carraher, C. E., Gebelein, C. G.**, editors. Biological activities of polymers. Washington, DC: American Chemical Society; 1982. 293 pages (ACS Symp. Ser. 186). ISBN: 084-120719-4.
Note: Based on a symposium sponsored by the Division of Organic Coatings and Plastics Chemistry at the 181st meeting of the American Chemical Society, Atlanta, GA, March 30-31, 1981.
- **Cazenave, I. P.** et al., editors. Blood-surface interactions: biological principles underlying hemocompatibility with artificial materials. Amsterdam: Elsevier; 1986. 265 pages. ISBN: 0-44-480764-0.
Note: Based on a workshop held in Fontvieille-en-Provence in March 1981.
- **Chiellini, E.** et al., editors. Polymers in medicine II: biomedical and pharmaceutical applications. New York: Plenum Press; c1986. 434 pages (Polym. Sci. Technol. 34). ISBN: 0-30-642390-1.
Note: Proceedings of the second International Symposium on Polymers in Medicine: Biomedical and Pharmaceutical Applications, held June 3-7, 1985, in Capri, Italy.
- **Chiellini, E.; Giusti, P.**, editors, Polymers in medicine: biomedical and pharmacological applications. New York: Plenum Press; c1983. 420 pages (Polym. Sci. Technol. 23). ISBN: 0-30-641360-4.
Note: Proceedings of an International Symposium on Polymers in Medicine: Biomedical and Pharmacological Applications, May 24-28, 1982, Porto Cervo, Sardinia, Italy.
- **Christel, P.; Meunier, A.; Lee, A. J. C.**, editors. Biological and biomechanical performance of biomaterials: proceedings of the fifth European conference on biomaterials; September 4-6, 1985; Paris, France. Amsterdam: Elsevier Science Pub. Co.; 1986. 536 pages (Adv. Biomater. 6). ISBN: 0-44-442666-3.
- **Cima, L.G.; Ron, E.S.**, editors. Tissue-inducing biomaterials. Pittsburgh, PA: Materials Research Society; c1992. 391 pages (Mater. Res. Soc. Symp. Proc. 252). ISBN: 155-899146-8.
Note: Symposium held December 4-6, 1991, Boston, MA
- **Claus, R.** et al. Bioproducts. Berlin, New York: Springer-Verlag; 1986. 179 pages (Adv. Biochem. Eng. Biotechnol. 33). ISBN: 3-54-016380-8.
Note: Contains Application of recombinant DNA technology to the production of useful biomaterials by T. Imanaka.
- **Cohn, D.; Kost, J.**, editors. Biomedical polymers: molecular design to clinical applications: selected papers. London: Elsevier Applied Science; 1993. 177 pages. ISBN 1-85-861043-5.
Note: selected papers from UNESCO-sponsored International Conference on Biomedical Polymers: Molecular Design to Clinical Applications; June 10-12, 1991, Jerusalem, Israel. Reprinted from Clinical Materials, v.13, n.1-4, 1993.
- **Cooke, F. W.** et al., editors. Materials for reconstructive surgery: sixth international biomaterials symposium; April 20-24, 1974; Clemson University, Clemson, SC. New York: Wiley; 1975. 274 pages (Biomed. Mater. Symp. 6).
Note: Also issued as J. Biomed. Mater. Res. 9(4). Symposium sponsored by Clemson University, the National Institute for Dental Research, and the South Carolina Regional Medical Program.
- **Cooke, F. W.; Moyle, D. D.; Levine, S. N.**, editors. Materials for reconstructive surgery: seventh international biomaterials symposium and first annual meeting of the Society For Biomaterials; April 26 Clemson University, Clemson, SC. New York (Biomed. Mater. Symp. 7).
Note: Also issued as J. Biomed. Mater. Res. 10(4).
- **Cooke, F. W.; Johnson, J. K.**, editors. Transactions of the eleventh international biomaterials symposium in conjunction with the fifth annual meeting of the Society For Biomaterials; April 28-May 1, 1979; Clemson University. San Antonio, TX: Society For Biomaterials; 1979.
Note: Sponsored by Clemson University and the National Institute for Dental Research (US).
- **Cooper, S.L.; Bamford, C.H.; Tsuruta, T.**, editors. Polymer based biomaterial systems. Utrecht, The Netherlands: VSP; 1995. 1134 pages. ISBN 9-06-764180-4. Note: a Festschrift honoring the 60th birthday of Dr. Allan S. Hoffman; originally published in J. Biomat. Sci., Polymer Ed. 4 (3 and 5) and 5 (1/2), 1993.
- **Cooper, S. L.; Peppas, N.A.**, editors. Biomaterials, interfacial phenomena and applications. Washington, DC: American Chemical Society; 1982. 539 pages (Adv. Chem. 199). ISBN: 0-84-120631-7.

Note: Based on the Chicago AlChE Biomaterials Symposium, sponsored by the Materials Engineering and Sciences Division and the Committee on Fundamentals of Life Sciences of the American Institute of Chemical Engineers at their 73rd Annual Meeting in Chicago, IL, November, 1980.

- **Craig, R. G.**, Program Chairman. Transactions: ninth annual meeting of the Society For Biomaterials, in conjunction with the fifteenth international biomaterials symposium; April 27-May 1, 1983; Birmingham, AL: The Society; 1983. 149 pages.

Note: Volume VI.

- **Cranin, A. N.; Duncan, P. E.; Alexander, H.**, editors. Transactions: thirteenth annual meeting of the Society For Biomaterials, in conjunction with the nineteenth international biomaterials symposium; June 3-7, 1987; New York. Birmingham, AL: The Society; c1987. 300 pages.

Note: Volume X.

- **Crawford, N.M.; Taylor, D.E.M.**, editors. Interaction of cells with natural and foreign surfaces. New York: Plenum Press; 1986. 330 pages. ISBN: 0-30-642373-1.

Note: Proceedings of an Institute of Basic Medical Sciences Symposium on Interaction of Cells with Natural and Foreign Surfaces, November 28-30, 1984, Royal College of Surgeons, London, England.

- **Crockett, P. W.**, chief author-editor. Biocompatible materials: a bibliography with abstracts. Springfield, VA: National Technical Information Service, US Dept. of Commerce; 1975-1976. 2 vol.

Note: Contents: Vol. 1. 1964-1973; Vol. 2. 1974-June 1976; NTISearch; NTISJPS-75/487 and NTIS/PS-76/0537.

- **Dardik, H.**, editor. Graft materials in vascular surgery. Miami, FL: Symposia Specialists; c1978. 425 pages. ISBN: 0-81-512272-1.

Note: Papers originally presented at a symposium sponsored by the Vascular Surgical Service of the Englewood Hospital and the College of Medicine and Dentistry of New Jersey in 1978.

- **Davies, J.E.**, editor. The Bone-biomaterial interface. Toronto: University of Toronto Press; 1991. 502pages. ISBN: 0-80-205941-4.

Note: Based on the proceedings of the Bone-Biomaterial Interface Workshop held in Toronto, Ontario, Canada, December 3-4, 1990.

- **Davids, S. G.**, editor. Polymers: their properties and blood compatibility. Boston: Kluwer Academic Publishers; 1989.410 pages (Dev. Hematol. Immunol. 23). ISBN: 0-79230491-8.

Note: Proceedings of a workshop sponsored by the Commission of the European Communities: contains material based on edited lectures presented at an advanced course on biomaterials held in Siena, Italy, April, 1987.

- **Davids, S. G., Bantjes, A.**, editors. Blood compatible materials and their testing. Dordrecht, Boston: M. Nijhoff for the Commission; 1986. 375 pages (Dev. Hematol. Immunol. DIHI 14). ISBN: 0-89-838813-9.

Note: Papers from meetings held at The Hague, May 18-20, 1984, and Siena, Italy, March 28-30, 1985; sponsored by the Commission of the European Communities as advised by the Committee on Medical and Public Health Research and the Committee on Bioengineering Evaluation of Technology Transfer and Standardization.

- **Dawids, S.G.**, editor. Test procedures for the blood compatibility of biomaterials. Dordrecht; Boston: Kluwer Academic Publishers; c1993. 684 pages. ISBN 0-79-232107-3.

- **De Broe, M. E.** et al., editors. Bio-incompatibility and dialysis; April 2-4, 1987; Courchevel. Basel, New York: Karger; 1988. 150 pages (Contrib. Nephrol. 62). ISBN: 380-554695-5.

Note: International symposium.

- **DeRossi, D.** et al., editors. Polymer gels: fundamentals and biomedical applications: September 18-21, 1989; Tsukuba, Japan. New York: Plenum Press; c1991. ISBN: 0-30643805-4.

Note: Proceedings of an International Symposium on Polymer Gels.

- **Dumitriu, Severian**, editor. Polymeric biomaterials. New York: Marcel Dekker, Inc.; 1994. 845 pages. ISBN 0-82-478969-5.

- **Doherty, P.J.** et al., editors. Biomaterial-tissue interfaces: proceedings of the ninth European conference on biomaterials; September 9-11, 1991; Chester, UK. Amsterdam, New York: Elsevier; 1992 (Adv.

Biomater. 10). ISBN: 044-489065-3.

Note: European Society For Biomaterials.

- **Doyama, M.; Somiya, S.; Chang, R. P. H.**, editors. Proceedings of the MRS international meeting on advanced materials; May 31-June 3, 1988; Sunshine City. Ikebukuro, Tokyo, Japan. Pittsburgh, PA: Materials Research Society; 1989. 14 vol. (Mater. Res. Soc. Int. Symp. Proc.; MRS Int. Meeting Adv. Mater. 1).
Note: Vol. 1 Ionic polymers/Ordered polymers for high performance materials/Biomaterials; Senior editors, Hideki Aoki, et al.
- **Ducheyne, P.; Christiansen, D.**, editors. Bioceramics: volume 6: proceedings of the 6th international symposium on ceramics in medicine; November 1993, Philadelphia, PA. Butterworth-Heinemann: Oxford; 1993. 513 pages (Bioceramics 6). ISBN 0-75-061884-1.
- **Ducheyne, P.; Hastings, G. W.**, editors. Functional behavior of orthopedic biomaterials. Boca Raton, FL: CRC Press; 1984. 2 vol. (CRC series in structure-property relationships of biomaterials). ISBN: Vol. 1. 0-84-936265-2; Vol. 2. 084-936266-0.
Note: Vol. 1. Fundamentals; Vol. 2. Applications.
- **Ducheyne, P.; Hastings, G. W.**, editors. Metal and ceramic biomaterials. Boca Raton, FL: CRC Press; c1984. 2 vol. (CRC series in structure-property relationships of biomaterials). ISBN: Vol. 1. 0-84-936261-X; Vol. 2. 0-84-936262-8.
Note: Vol. 1. Structure;-Vol. 2. Strength and surface.
- **Ducheyne, P.; Lemons, J. E.**, editors. Bioceramics: material characteristics versus in vivo behavior; November 17-21, 1986; Santa Barbara, CA. New York: New York Academy of Sciences; 1988. 298 pages (Ann. NY Acad. Sci. 523). ISBN: 0-89-766437-X; 0-89-766438-8 (paperback).
Note: Papers presented at the Engineering Foundation Meeting on Bioceramics; meeting sponsored by the Society For Biomaterials, the European Society For Biomaterials, and the Japanese Society For Biomaterials.
- **Ducheyne, P.; Van der Perre, G.; Aubert, A. E.**, editors. Biomaterials and biomechanics 1983: proceedings of the fourth European conference on biomaterials; August 31-September 2, 1983; Leuven, Belgium. Amsterdam: Elsevier Science Pub., Co.; 1984. 475 pages (Adv. Biomater. 5). ISBN: 0-44-442352-4.
- **Dumbleton, J. H.; Black, J.** An introduction to orthopaedic materials. Springfield, IL: Thomas; c1975. 259 pages. ISBN: 0-39-803368-4.
- **Dunn, R.L.; Ottenbrite, R.M.**, editors. Polymeric drugs and drug delivery systems. Washington, DC: American Chemical Society; 1991. 313 pages (ACS Symp. Ser. 469). ISBN: 0-84-122105-7.
Note: Developed from a symposium sponsored by the Division of Polymer Chemistry at the 200th National Meeting of the American Chemical Society, August 26-31, 1990, Washington, DC.
- **Dusek, K.**, editor. Polymers in medicine. Berlin, New York: Springer-Verlag; 1984. 168 pages (Adv. Polym. Sci. 57). ISBN: 0-38-712796-8.
Note: Advances in polymer science - Fortschritte der hochpolymeren-forschung.
- **Dusek, K.; Overberger, C.G.; Heublein, G.**, series editors. Biopolymers/non-exclusion HPLC. Berlin, New York: Springer-Verlag; c1986. 232 pages (Adv. Polym. Sci. 79). ISBN: 0-38-71-6422-7.
Note: Includes: Protein adsorption and materials biocompatibility: a tutorial review and suggested hypotheses, J. D. Andrade and V. Hlady; Medical polymer adhesives, T. E. Lipatova.
- **Effert, S.; Meyer-Erkelenz, J. D.**, editors. Blood vessels: problems arising at the borders of natural and artificial blood vessels: 8th scientific conference of the Gesellschaft Deutscher Naturforscher und Aerzte. Berlin, New York: Springer-Verlag; 1976. 181 pages (Wissenschaftliche Konfer. Geselisch. Deuts. Naturfors. Aerzte 8). ISBN: 0-38707909-2.
- **Finley, J. W.; Schmidt, S. J.; Serianni, A. S.**, editors. NMR applications in biopolymers. New York: Plenum Press; c1990. 515 pages (Basic Life Sci. 56). ISBN: 0-30643719-8.
Note: Proceedings based on an American Chemical Society Symposium on Applications of NMR in Biopolymers, held September 25-28, 1988, in Los Angeles, CA, and an American Chemical Society

Symposium on Recent Developments in NMR Spectroscopy of Carbohydrates, held June 5-8, 1988, in Toronto, Ontario, Canada.

- **Fishman, G., Clare, A., Hench, L.L.**, editors. Bioceramics: materials and applications. Westerville, OH: American Ceramic Society; 1995. 329 pages (Ceram. Trans. 48). ISBN0-94-490482-3.
Note: proceedings of the Biomedical and Biological Applications of Ceramics and Glass Symposium, presented at the 96th Annual Meeting of the American Ceramic Society, held April 25-27, 1994, in Indianapolis, IN and the Workshop on Ceramics for Biomedical Applications, held June 8-10, 1994, in Alfred, NY.
- **Fraker, A. C.; Griffin, C. D.**, editors. Corrosion and degradation of implant materials: second symposium; May 9-10, 1983; Louisville, KY. Philadelphia, PA: ASTM; c1985. 457 pages. (ASTM Spec. Tech. Pub. 859). ISBN: 0-80310427-8.
Note: Papers presented at the Second International Symposium on Corrosion and Degradation of Implant Materials sponsored by ASTM Committees F-4 on Medical and Surgical Materials and Devices, and G-1 on Corrosion of Metals.
- **Galletti, P.M.; De Rossi, D.E.; De Reggi, A.S.**, editors. Medical applications of piezoelectric polymers. New York: Gordon and Breach Science Publishers; c1988. 306 pages (Ferroelec. Related Phenom. 5). ISBN: 2-88-124277-4.
Note: Contributions from the First International Symposium on Piezoelectricity in Biomaterials and Biomedical Devices held in Pisa in 1983; includes articles previously published in various volumes of Ferroelectrics and other sources.
- **Gebelein, C. G.** editor. Advances in biomedical polymers. New York: Plenum Press. c1987. 405 pages (Polym. Sci. Technol. 35). ISBN: 0-30-642467-3.
Note: Proceedings of a symposium on advances in biomedical polymers. held September 8-15, 1985 at the 190th National American Chemistry Society Meeting in Chicago; sponsored by the Division of Polymeric Materials: Science & Engineering.
- **Gebelein, C.G.** Biomedical applications of polymers. Oxford: Pergamon; 1992. 136 pages (Rapra Rev. Rpts. v5, n3). ISBN 0-08-041746-9.
- **Gebelein, C.G.** editor. Biomimetic polymers. New York: Plenum Press: c1990. 297 pages. ISBN: 0-30-643708-2.
Note: Based on the proceedings of the American Chemical Society Symposium on Enzyme Mimetic and Related Polymers, held at the Third Chemical Congress of North America, July 5-8, 1988, Toronto, Ontario, Canada.
- **Gebelein, C.G.**, editor. Biotechnological polymers: medical, pharmaceutical and industrial applications: a conference in print. Lancaster, PA: Technomic Publishing Co., Inc.; 1993. 224 pages. ISBN 1-56-676034-8.
- **Gebelein, C. G.** editor. Polymeric materials and artificial organs. Washington, DC: American Chemical Society; 1984. 206 pages (ACS Symp. Ser. 256). ISBN: 0-84-120854-9.
Note: Based on a symposium sponsored by the Division of Organic Coatings and Plastics Chemistry at the 185th meeting of the American Chemical Society, Seattle, WA, March 20-25, 1983.
- **Gebelein, C. G.; Carraher, C. E. Jr.; Foster, V. R.**, editors. Applied bioactive polymeric materials; August 30-September 2, 1987; New Orleans, LA. New York: Plenum Press; c1988. 334 pages (Polym. Sci. Technol. 38). ISBN: 0-30-643101-7.
Note: Proceedings of an ACS Symposium on Applied Polymeric Materials.
- **Gebetein, C. G.; Carraher, C. E. Jr.**, editors. Bioactive polymeric systems: an overview. New York: Plenum Press; c1985. 689 pages. ISBN: 0-30-641855-X.
- **Gebelein, C. G.; Carraher, C. E. Jr.**, editors. Polymeric materials in medication; August 26-31, 1984; Philadelphia, PA. New York: Plenum Press; c1985. 302 pages (Polym. Sci. Technol. 32). ISBN: 0-30-642115-1.
Note: Proceedings of a symposium.
- **Gebelein, C. G.; Dunn, R. L.**, editors. Progress in biomedical polymers. New York: Plenum Press; c1990. 406 pages. ISBN: 0-30-643523-3.

Note: Proceedings of an American Chemical Society Symposium on Progress in Biomedical Polymers, held September 25-30, 1988, in Los Angeles, CA; derived from a symposium held during the 196th National Meeting of the ACS.

- **Gebelein, C. G., Koblitz, F. K.,** editors. Biomedical and dental applications of polymers. New York: Plenum Press; c1981. 49 pages (Polym. Sci. Technol. 14). ISBN: 0-30640632-2.
Note: Based on an American Chemical Society Symposium on Biomedical and Dental Applications of Polymers, 179th National Meeting of the ACS, March 23-28, 1980, Houston, TX.
- **Glasgold, A. I.; Silver, F. H.,** editors. Applications of biomaterials in facial plastic surgery. Boca Raton, FL: CRC Press; 1991. ISBN: 0-84-935251-7.
- **Glasser, W.G.; Hatakeyama, H.,** editors. Viscoelasticity of biomaterials. Washington, DC: American Chemical Society; 1992. 406 pages (ACS Symp. Set. 489). ISBN: 0-84122221-5.
Note: Developed from a symposium sponsored by the Division of Cellulose, Textile, and Paper Chemistry at the 199th National Meeting of the American Chemical Society, Boston, MA, April 22-27, 1990.
- **Goldberg, E. P.; Nakajima, A.,** editors. Biomedical polymers: polymeric materials and pharmaceuticals for biomedical use. New York: Academic Press; c1980. 457 pages. ISBN: 0-12-287580-X.
Note: Proceedings from the Symposium on Polymeric Materials and Pharmaceuticals for Biomedical Use presented April 4-6, 1979 at the First Joint Congress of the American Chemical Society and the Chemical Society of Japan in Honolulu, HI. Contents include Chemical, Physical, and Mechanical Aspects of Blood Compatibility by D. I. Lyman and K. Knutson.
- **Goosen, M.F.A.,** editor. Fundamentals of animal cell encapsulation and immobilization. Boca Raton, FL: CRC Press; 1993. 326 pages. ISBN 0-84-935944-9.
- **Greco, R.S.,** editor. Implantation biology: the host response and biomedical devices. Boca Raton, FL: CRC Press; c1994. 418 pages. ISBN 0-84-934432-8.
- **Gregor, H. P.,** editor. Biomedical applications of polymers. New York: Plenum Press; c1975. 227 pages (Polym. Sci. Technol. 7). ISBN: 0-30-636407-7.
Note: Proceedings of a symposium held by the American Chemical Society, Division of Organic Coatings and Plastics Chemistry in Chicago, IL, August, 1973.
- **de Groot, K.,** editor. Bioceramics of calcium phosphate. Boca Raton, FL: CRC Press; c1983. 146 pages. ISBN: 083-936456-6.
- **Grote, J. J.,** editor. Biomaterials in otology: proceedings of the first international symposium; April 21-23, 1983; Leiden, The Netherlands. Boston: M. Nijhoff; 1984. 306 pages. ISBN: 0-89-838610-1.
- **Hanker, J. S.; Giammara, B. L.,** editors. Biomedical materials and devices. Pittsburgh, PA: Materials Research Society; c1989. 806 pages (Mater. Res. Soc. Symp. Proc. 110). ISBN: 0-93-183778-2.
Note: Papers presented at Symposium M: Biomedical materials and devices held November 30-December 4, 1987, Boston.
- **Hastings, G. W.,** editor. Cardiovascular biomaterials. London, New York: Springer-Verlag; c1992. 198 pages. ISBN: 0-38-719666-8.
- **Hastings, G.W.,** Program Chairman. Third conference on materials for use in medicine and biology: mechanical properties of biomaterials, and 16th bioceramics symposium; September 13-16, 1978; Keele University: Biological Engineering Society; 1978. ISBN: 0-90-471609-0.
Note: Organized by the Biological Engineering Society-Biomaterials Group in association with the British Ceramics Society and the European Society For Biomaterials.
- **Hastings, G.W.; Ducheyne, P.,** editors. Macromolecular biomaterials. Boca Raton, FL: CRC Press; 1984. 266 pages (CRC series in structure-property relationships of biomaterials). ISBN: 0-84-936263-6.
- **Hastings, G.W.; Ducheyne, P.,** editors. Natural and living biomaterials. Boca Raton, FL: CRC Press; c1984. 167 pages (CRC series in structure-property relationships of biomaterials).
- **Hastings, G. W.; Williams, D. F.,** editors. Mechanical properties of biomaterials. Rochester, New York: Wiley; c1980. 566 pages (Adv. Biomater. 2). ISBN: 0-47-127761-4.
Note: Proceedings of a conference organized by the Biomaterials Group of the Biological Engineering Society, in conjunction with the British Ceramic Society and the European Society For Biomaterials, Keele University, September, 1978.

- **Heimke, G.**, editor. Osseo-integrated implants. Boca Raton, FL: CRC Press; 1990. 2 vols. ISBN: Vol. 1. 0-84-935958-9; Vol. 2. 0-84-935959-7.
Note: Vol. 1. Basics, materials and joint replacements; Vol. 2. Implants in oral and ENT surgery.
- **Heimke, G.; Soltész, U.; Lee, A. J. C.**, editors. Clinical implant materials: proceedings of the eighth European conference on biomaterials: 1989 September 7-9. Heidelberg, Germany. Amsterdam: Elsevier Science Pub., Co.; 1990. 690 pages (Adv. Biomater. 9). ISBN: 0-44-488226-X.
- **Hench, L. L.; Ethridge, E. C.** Biomaterials, an interfacial approach. New York: Academic Press: 1982. 385 pages (Biophys. Bioeng. Ser. 4).
- **Hench, L.L.; Wilson, J.**, editors. An introduction to bioceramics. Singapore; River Edge, NJ: World Scientific; c1993. 386 pages (Adv. Ser. Ceram. 1). ISBN 9-81-021400-6; 9-81-021626-2 (pbk.).
- **Hildebrand, H., Champy, M.**, editors. Biocompatibility of Co-Cr-Ni alloys. New York: Plenum Press: c1988. 380 pages (NATO ASI Ser. Ser. A, Life Sci. 158). ISBN: 0-30-643095-9.
Note: Proceedings of a NATO Advanced Research Workshop on Biological Incidences of Co-Cr-Ni Alloys Used in Orthopaedic Surgery and Stomatology. September 30-October 4. 1985, Bischenberg, Obernay, France.
- **Hollinger, J.O.**, editor. Biomedical applications of synthetic biodegradable polymers. Boca Raton, FL: CRC Press; 1995. 256 pages. ISBN 0-84-934896-X (hardcover); 0-84-934895-X (paper).
- **Horowitz, E.; Parr, J.E.**, editors. Characterization and performance of calcium phosphate coatings for implants. Philadelphia, PA: ASTM; 1994. 212 pages (ASTM Spec. Tech. Pub. 1196). ISBN 0-80-311854-6.
Note: papers presented at a symposium sponsored by ASTM Committee F-4 on Medical and Surgical Materials and Devices in Miami, FL on November 17, 1992.
- **Huggins, H. A.**, editor. Mercury and other toxic metals in humans: proceedings of the first international conference on biocompatibility of materials; Colorado Springs, CO. Tacoma, WA: Life Sciences Press; c1989. 270 pages. ISBN: 0-94-368508-7.
Note: Sponsored by the University of Colorado at Colorado Springs and Toxic Element Research Foundation.
- **Hulbert, J. E.; Hulbert, S. F.**, editors. Bioceramics: volume 3: proceedings of the 3rd international symposium on ceramics in medicine; November 18-20, 1990; Terre Haute, IN. Terre Haute, IN: Rose-Hulman Institute of Technology; c1992. 371 pages. ISBN: 0-91-441400-3.
Note: Co-sponsored by the Society For Biomaterials, the Canadian Society For Biomaterials, the European Society For Biomaterials, the Japanese Society for Biomaterials, and the Japanese Society of Orthopaedic Ceramic Implants.
- **Hulbert, S. F., Levine, S. N., Moyle, D. D.**, editors. Prostheses and tissue, the interface problem: fifth annual international biomaterials symposium; April 14-18, 1973; Clemson University, Clemson, SC. New York: Wiley; 1974. 448 pages (Biomed. Mater. Symp. 5).
Note: Also issued as J. Biomed. Mater. Res. 8 (3-4).
- **Hulbert, S. F.; Young, F. A.**, editors. Use of ceramics in surgical implants. New York: Gordon and Breach; c1978. 270 pages. ISBN: 0-67-713870-9.
Note: First International Biomaterials Symposium, Clemson University, 1969.
- **Imanishi, Y.**, editor. Synthesis of biocomposite materials: chemical and biological modifications of natural polymers. Boca Raton, FL: CRC Press; c1992. 314 pages. ISBN: 084-936771-9.
- *Note: Includes: Modification of biologically active substances for biocompatible materials; Biocomposite materials for drug delivery systems; Modification of proteins for synthesizing biofunctional materials.*
- **Jamison, R.D.; Gilbertson, L.N.**, editors. Composite materials for implant applications in the human body: characterization and testing. Philadelphia, PA: ASTM; c1993. 155 pages (ASTM Spec. Tech. Pub. 1178). ISBN 0-80-311852-X.
Note: contains papers presented at the symposium sponsored by ASTM Committee F-4 on Medical and Surgical Materials and Devices, held November 6, 1991, San Diego, CA.
- **Kambic, H.; Kantrowitz, A.; Sung, P.**, editors. Vascular graft update: safety and performance; November 27-28, 1984; Williamsburg, VA. Philadelphia, PA: ASTM; c1986. 349 pages (ASTM Spec.

Tech. Pub. 898). ISBN: 0-80-310462-6.

Note: Symposium sponsored by ASTM Committee F-4 on Medical and Surgical Materials and Devices and Subcommittee F0-04 on Cardiovascular Implants and Materials, Food and Drug Administration, International Center for Artificial Organs and Transplantation, and Department of Health and Human Services. Includes sections entitled: Material properties, measurements, test methods, and retrieval analysis; Biocompatibility issues in vascular grafts.

- **Kambic, H.E.; Yokobori, A.T., Jr.**, editors. Biomaterials' mechanical properties. Philadelphia, PA: ASTM; c1994. 308 pages (ASTM Spec. Tech. Pub. 1173). ISBN 0-80-311894-5.
Note: papers presented at the symposium, held in Pittsburgh, PA, May 5-6, 1992.
- **Katthagen, B. D.** Bone regeneration with bone substitutes: an animal study. Berlin: Springer-Verlag; c1987. 159 pages.
Note: Trans. of Knochenregeneration mit Knochenersatzmaterialien.
- **Kawahara, H.**, editor. Oral implantology and biomaterials: proceedings of the third international congress of implantology and biomaterials in stomatology; April 27-29, 1988; Osaka. Amsterdam: Elsevier Science Publishers; 1989. 310 pages (Prog. Biomed. Eng. 7). ISBN: 0-44-487347-3.
- **Knutson, K.**, Program Chairman. Transactions: twelfth annual meeting of the Society For Biomaterials, in conjunction with the eighteenth international biomaterials symposium; May 28-June 1. 1986; Minneapolis, MN. Birmingham, AL: The Society; c1986. 230 pages.
Note: Volume IX.
- **Kossowsky, R.; Kossovsky, N.**, editors. Advances in materials science and implant orthopedic surgery. Dordrecht; Boston: Kluwer Academic Publishers (in cooperation with NATO Scientific Affairs Division); 1995. 315 pages (NATO ASI Ser. E, Appl. Sci. 294). ISBN 0-79-233558-9.
Note: proceedings of the NATO Advanced Study Institute on Materials Science and Implant Orthopaedic Surgery II; held June 19-July 2, 1994, Chania, Crete, Greece.
- **Kossowsky, R.; Kossovsky, N.**, editors. Materials sciences and implant orthopedic surgery; July 14-22, 1984, Marbelia, Spain. Dordrecht, Boston: M. Nijhoff, 1986. 412 pages. (NATO ASI Ser. E, Appi. Sci. 116). ISBN: 902-473409-6.
Note: Proceedings of the NATO Advanced Study Institute on Applications of the Materials Sciences to the Practice of Implant Orthopedic Surgery; includes Surface and interfaces phenomena.
- **Kovacs, P.; Istephanous, N.S.**, editors. Proceedings of the symposium on compatibility of biomedical implants. Pennington, NJ: Electrochemical Society; c1994. 397 pages (Proc. Electrochem. Soc. 94-15). ISBN 1-56-6770475.
Note: symposium sponsored by the Corrosion Division and the Organic and Biological Electrochemistry Division of the Electrochemistry Society; held May 1994, San Francisco, CA.
- **Krawczynski, J.; Beleites, E.; Ondracek, G.**, editors. Progress report on biomaterials. Julich: Forschungszentrum Julich; c1993. 11 pages (Scientific Series of the International Bureau 16). ISBN 3-89-336111-1.
- **Kronenthal, R. L.; Oser, Z; Martin, E.**, editors. Polymers in medicine and surgery. New York: Plenum Press; c1975. 335 pages (Polym. Sci. Technol. 8). ISBN: 0-30-636408-5.
Note: Proceedings of the Johnson & Johnson symposium, July 11-12, 1974, Morristown, NJ.
- **Kroschwitz, J. I.**, editor. Polymers: biomaterials and medical applications. New York: Wiley; c1989. 555 pages. ISBN: 0-47-151207-9.
Note: Selected reprints from Encyclopedia of polymer science and engineering.
- **Kubli, F.; Luckey, H. A.**, editors. Titanium alloys in surgical implants: a symposium; May 11-12, 1981; Phoenix, AZ. Philadelphia, PA: ASTM; 1983. 294 pages (ASTM Spec. Tech. Pub. 796).
Note: Sponsored by ASTM Committee F-4 on Medical and Surgical Materials and Devices, and ASTM Committee B-10 on Reactive and Refractory Metals and Alloys.
- **Lee, A.J.C.; Albrektsson, T.; Branemark, P.I.**, editors. Clinical applications of biomaterials; August, 1981; Gothenburg, Sweden. Chichester: Wiley; c1982. 335 pages (Adv. Biomater. 4). ISBN: 0-47-110403-5.

Note: Based on papers presented at the Second European Conference on Biomaterials, organized by the European Society For Biomaterials.

- **Lelah, M.D.; Cooper, S.L.** Polyurethanes in medicine. Boca Raton, FL: CRC Press; 1986. 225 pages. ISBN: 084-936307-1.
- **Lemons, J. E.**, editor. Quantitative characterization and performance of porous implants for hard tissue applications; November 18-19, 1985; Nashville, TN. Philadelphia, PA: ASTM; c1987. 417 pages (ASTM Spec. Tech. Pub. 953). ISBN: 0-80-310965-2.
Note: Symposium sponsored by ASTM Committee F-4 on Medical and Surgical Materials and Devices.
- **Leonard, E. F.; Turitto, V. T., Vroman, L.**, editors. Blood in contact with natural and artificial surfaces. New York: New York Academy of Sciences. 1987. 688 pages (Ann. NY Acad. Sci.) ISBN: 0-89-766427-2; 0-89-766428-0 (paperback).
- *Note: Based on a conference held by the New York Academy of Sciences on November 12-14, 1986, New York.*
- **Lin, O. C.; Chao, E. Y. S.**, editors. Perspectives on biomaterials: proceedings of the 1985 international symposium on biomaterials: February 25-27, 1985; Taipei, Taiwan. Amsterdam: Elsevier Science Pub., Co.; 1986. 358 pages (Mater Sci. Monogr. 33). ISBN: 0-44-44267-1-8.
- **Lynch, C.T.**, editor. Practical handbook of materials science. Boca Raton, FL: CRC Press; c1989. 636 pages. ISBN: 0-84-933702-X.
- **Lynch, C. T.**, editor, Volumes 1 - 111, Summitt, R.; Sliker, A., editors, Vol. IV. Handbook of materials science. Cleveland, OH: CRC Press; 1974-1975. 4 vols. ISBN: 0-87-819234-4.
Note: Also known as CRC Handbook of materials science; Vol. 1. General properties; Vol. 2. Metals, composites, and refractory materials; Vol. 3 Nonmetallic materials and applications includes Section 4: Biomedical Materials); Vol. 4 Wood.
- **Mann, S.; Webb, J.; Williams, R. J. P.**, editors. Biomineralization: chemical and biochemical perspectives. Weinheim, Germany: VCH Publishers, 1989. 541 pages. ISBN: 0-89-573672-1.
- **Margolis, J. M.** Medical and hospital plastic products: a special report on new applications and research. New York: Marcel Dekker: 1983. 166 pages. (A series of special reports: report no. 10). ISBN: 0-82-477062-5.
- **Medical prosthetic implants.** New York: Frost & Sullivan; 1980. 236 pages.
- **Migliaresi, C.** et al. editors. Polymers in medicine III: proceedings of the third international conference on polymers in medicine. June 9-13, 1987; Porto Cervo. Italy. Amsterdam: Elsevier 1988. 247 pages (Prog. Biomed. Eng. 5). ISBN: 0-44-443003-2.
- **Migliaresi, C.; Chiellini, E.; Luigi, N.**, editors. Polymers in medicine 4. London; New York: Elsevier Applied Science; c1991. 250 pages. ISBN: 1-85-166709-1.
Note: Selected papers from the 4th International Conference on Polymers in Medicine, September 11-13, 1990, Riva del Garda. Italy and sponsored by Universita di Trento, Provincia di Trento, Societa Italiana Biomateriali. Reprinted from the J. Clin. Mater. 8 (1, 2).
- **Mikos, A.G., et al.**, editors. Biomaterials for drug and cell delivery. Pittsburgh, PA: Materials Research Society; c1994. 290 pages (Mater. Res. Soc. Symp. Proc. 331). ISBN 1-55-899230-8.
Note: 1993 MRS Fall Meeting, Boston, MA; symposium held November 29-December 1.
- **Mikos, A.G., et al.**, editors. Polymers in medicine and pharmacy. Pittsburgh, PA: Materials Research Society; 1995. 208 pages (Materials Res. Soc. Symp. Proc. 394). ISBN 1-55-899297-9.
Note: 1995 MRS Spring Meeting, San Francisco, CA.; symposium held April 17-19.
- **Missirlis, Y. F.; Lemm, W.**, editors. Modern aspects of protein adsorption on biomaterials. Dordrecht, Boston: Kluwer Academic Publishers; 1991. 262 pages. ISBN: 079-230973-1.
Note: Based on papers presented at a workshop held in Patras. Greece. June, 1989.
- **Missirlis, Y.F.; Wautier, J./L.**, editors. The role of platelets in blood-biomaterial interactions. Boston: Kluwer; 1993. 216 pages. ISBN 0-79-232162-6.
- **Morrey, B.F.** Biological, material, and mechanical considerations of joint replacement. New York: Raven Press; c1993. 470 pages (Bristol-Myers Squibb/Zimmer Orthopaedic Symp. Ser.). ISBN 0-78-170009-6.

- **Muster, D.**, principal editor. Biomaterials: hard tissue repair and replacement. Amsterdam, New York: North Holland; 1992. 313 pages (Eur. Mater. Res. Soc. Monogr. 3). ISBN: 0-44-488350-9.
Note: E-MRS; Council of Europe, European Parliament, Commission of the European Communities.
- **Muster, D.; Hastings, G.**, editors. Interfaces in biomaterials sciences: proceedings of symposium E on interfaces in biomaterials sciences of the 1989 E-MRS conference; May 30-June 2, 1989; Strasbourg, France. Amsterdam, New York: North Holland; 1990. 229 pages (Eur. Mater. Res. Soc. Symp. Proc.13) ISBN: 0-44-4488836-5.
Note: Reprinted from Clin. Mater. 5 (2-4).
- **Older, J.**, editor. Implant bone interface. London, New York: Springer-Verlag; c1990. 177 pages. ISBN: 0-38-719638-2; 3-54-019638-2.
Note: Based on the Implant Bone Interface Symposium, May, 1989, Midhurst, UK; sponsored by Charles F. Thackray Ltd.
- **Ottenbrite, R. M.; Chiellini, E.**, editors. Polymers in medicine: biomedical and pharmaceutical applications. Lancaster, PA: Technomic Publishing Co.; 1992. 265 pages. ISBN: 0-87-762929-3.
Note: Selected papers from the 4th International Conference on Polymers in Medicine, Sept. 11-13, 1990, Riva del Garda, Italy.
- **Park, J. B.** Biomaterials: an introduction. New York: Plenum Press; c1979. 251 pages. ISBN: 0-30-640103-7.
- **Park, J. B.** Biomaterials science and engineering. New York: Plenum Press; c1984. 459 pages.
- **Park, J.B.; Lakes, R.S.** Biomaterials: an introduction. 2nd edition. New York: Plenum; 1993. 375 pages. ISBN 0-30-643992-1.
- **Parsons, J. R.**, Program Chairman. Transactions of the seventeenth annual meeting of the Society For Biomaterials in conjunction with the 23rd international biomaterials symposium; May 1-5, 1991; Scottsdale, AZ. Algonquin, IL: Society For Biomaterials; 1991. 326 pages.
Note: Volume XIV.
- **Paul, J. P.**, editor. Biomaterials in artificial organs. Deerfield Beach, FL: VCH; c 1985. 370 pages. ISBN: 0-89-573442-7.
Note: Fifth in series of Strathclyde bioengineering seminars, September, 1983.
- **Peppas, N.A.**, editor. Hydrogels in medicine and pharmacy. Boca Raton, FL: CRC Press; c1986. 3 vols. ISBN: Vol. 1. 0-84-935546-X; Vol. 2. 0-84-935547-8; Vol. 3. 084-935548-6.
Note: Vol. 1. Fundamentals; Vol. 2. Polymers; Vol. 3. Properties and applications.
- **Peppas, N.A.; Langer, R.S.** Biopolymers II. Berlin/New York: Springer-Verlag; 1995. 270 pages (Adv. Polym. Sci. 122). ISBN 3-54-058788-8.
- **Peffen, S. M.; Schneider, E.**, editors. Biomechanics: current interdisciplinary research: selected proceedings of the fourth meeting of the European Society for Biomechanics in collaboration with the European Society For Biomaterials; September 24-26, 1984; Davos, Switzerland. Dordrecht: M. Nijhoff; 1985: 751 pages (Dev. Biomech. DB 2). ISBN: 0-89-838755-8.
- **Piskin, E.**, editor. Biologically modified polymeric biomaterial surfaces. London, New York: Elsevier Applied Science; c1992. 195 pages. ISBN: 1-85-166795-4.
Note: Edited proceedings of an international workshop held in Antalya, Turkey, June 15-22, 1991. Reprinted from Clin. Mater. 11 (1-4).
- **Piskin, E.; Hoffman, A. S.**, editors. Polymeric biomaterials; August 27-September 5, 1984; Izmir, Turkey. Dordrecht, Holland: M. Nijhoff; 1986. 268 pages (NATO ASI Ser. Set. E, Appi. Sci. 106). ISBN: 9-02-473303-0.
Note: Proceedings of the NATO Advanced Study Institute on Biopolymers.
- **Pizzoferrato, A.** et al., editors. Biomaterials and clinical applications: proceedings of the sixth European conference on biomaterials; September 14-17, 1986; Bologna, Italy. Amsterdam: Elsevier; c1987. 808 pages (Adv. Biomater. 7). ISBN: 0-44-442883-6.
Note: Conference sponsored by the European Society for Biomaterials.

- **Planck, H.** et al., editors. Polyurethanes in biomedical engineering II: proceedings of the second international conference on polyurethanes in biomedical engineering; June 18-19, 1986; Fellbach near Stuttgart. Amsterdam: Elsevier; 1987. 272 pages (Prog. Biomed. Eng. 3). ISBN: 0-44-442759-7.
- **Planck, H.; Dauner, M.; Renardv, M.,** editors. Degradation phenomena on polymeric biomaterials. Berlin, New York: Springer-Verlag; c1992. 196 pages. ISBN: 3-54-055548X; 0-38-755548-X.
Note: Proceedings of the 4th International Conference on Biomaterials, Denkendorf. September 3-5, 1991.
- **Planck, H.; Dauner, M.; Renardy, M.,** editors. Medical textiles for implantation: June 14-16, 1989; Stuttgart, Berlin: Springer-Verlag; c1990. 357 pages. ISBN: 3-54-052741-9; 0-38-752741-9.
Note: Proceedings of the third International ITV Conference on Biomaterials.
- **Planck, H.; Egbers, G.; Syre, I.,** editors. Polyurethanes in biomedical engineering. Amsterdam: Elsevier; 1984. 402 pages (Prog. Biomed. Eng. 1). ISBN: 0-44-4442399-0.
Note: Proceedings of the International Colloquium, Polyurethane in Medical Technics, organized by the Biomedical Branch of the Institute for Textile Technology and Chemical Engineering, Denkendorf, West Germany, January 27-29, 1983, in Fellbach, near Stuttgart.
- **Plastics and Rubber Institute;** Biological Engineering Society, organizers. Polymers in medicine and surgery. Hornchurch, Essex, England: Science and Technology Publishers; c1986. 1 vol. ISBN: 0-94-832320-5.
Note: International Conference on Polymers in Medicine and Surgery, held in Leeuwenhorst, The Netherlands, September 10-12, 1986.
- **Plastics in medicine and surgery: PIMS III:** conference; June 21-22, 1979; Twente University of Technology, Enschede, The Netherlands. London: Plastics and Rubber Institute; 1979. 250 pages.
Note: Proceedings of the Third Conference on Plastics in Medicine and Surgery.
- **Polymers in medical applications;** proceedings from a symposium; October 27-28, 1987. Stockholm: Ingenjorsvetenskapsakademien; 1988. 92 pages (IVA-Rapport 355). ISBN: 9-17-082459-2.
Note: Symposium arranged by the Royal Swedish Academy of Engineering Sciences, Working Party on Polymers for Special Applications.
- **Prakash, R.,** editor. Biomaterials in orthopaedics. Varanasi, India: School of Biomedical Engineering, Institute of Technology, Banaras Hindu University; 1990. 214 pages.
Note: Edited version of the proceedings of the International Symposium on Biomaterials in Orthopaedics, held at the Institute of Technology, Banaras Hindu University, Varanasi, India, February 11-12, 1989.
- **de Putter, C.** et al., editors. Implant materials in biofunction: proceedings of the seventh European conference on biomaterials; September 8-11, 1987; Amsterdam, The Netherlands. Amsterdam: Elsevier; 1988. 508 pages (Adv. Biomater. 8). ISBN: 0-44-443027-X.
- **Ratner, B. D.,** editor. Surface characterization of biomaterials: proceedings of the symposium on surface analysis of biomaterials; June 21-24, 1987; Ann Arbor, MI. Amsterdam, New York: Elsevier; 1988. 334 pages (Prog. Biomed. Eng. 6). ISBN: 0-44-443016-4.
- **Ratner, B. D.,** Program Chairman. Transactions of the eleventh annual meeting of the Society For Biomaterials in conjunction with the seventeenth international biomaterials symposium; April 24-28, 1985; San Diego, CA.
Note: Volume VIII.
- **Ravaglioli, A.; Krajewski, A.,** editors. Bioceramics and the human body: proceedings of the international congress on bioceramics and the human body; April 2-5, 1991; Faenza, Italy. London, New York: Elsevier Applied Science; 1992. 519 pages. ISBN: 1-85-166748-2.
Note: Organized by the IRTEC-CNR Institute in collaboration with Agenzia Polo Ceramico.
- **Ravaglioli, A.; Krajewski, A.** . Bioceramics: materials, properties, applications. New York: Chapman & Hall; 1992. 422 pages. ISBN: 0-41-234960-4.
- **Reck, R.** Bioactive glass-ceramics in ear surgery. St. Louis, MO: The Laryngoscope; 1984. 54 pages.
Note: Supplement 33, 94 (2), part 2, February 1984.
- **Rubin, L. R.,** editor. Biomaterials in reconstructive surgery. St. Louis: Mosby; 1983. 1017 pages. ISBN: 0-80-164232-9. Salzman, E. W., editor. Interaction of the blood with natural and artificial surfaces. New

York: Marcel Dekker; c1981. 231 pages. ISBN: 0-82-471582-9.

Note: Papers presented at a one-day symposium during the 1980 meeting of the International Committee on Thrombosis and Haemostasis, held in Boston.

- **Schaldach, M.; Hohmann, D.**, editors. Advances in artificial hip and knee joint technology. Berlin: Springer-Verlag; 1976. 525 pages (Eng. Med. 2). ISBN: 0-38-707728-6.
- **Schnur, J. M.; Peckerar, M.**, editors. Synthetic microstructures in biological research. New York: Plenum Press; c1992. ISBN: 0-30-644347-3.
Note: Proceedings of the Third International Conference on Synthetic Microstructures in Biological Research, September 9-12, 1991, Williamsburg, VA.
- **Shalaby, W.** et al., editors. Polymers as biomaterials. New York: Plenum Press; c1984. 389 pages. ISBN: 0-30-641886-X.
Note: Proceedings of a Symposium on Polymers as Biomaterials, March 22-25, 1983, American Chemical Society Meeting, Seattle, WA.
- **Shalaby, S.W.** et al., editors. Polymers of biological and biomedical significance. Washington, D.C.: American Chemical Society; 1994. 337 pages (ACS Symp. Ser. 540). ISBN 0-84-122732-2.
Note: developed from a symposium sponsored by the Division of Polymer Chemistry at the 204th National Meeting of the ACS, August 24-28, 1992, Washington, D.C.
- **Shalaby, S.W.**, editor. Biomedical polymers: designed-to-degrade systems. Munich; New York: Hanser Publishers; c1994. 272 pages. ISBN 1-56-990159-7; 3-44-616531-2.
- **Sharma, C. P.; Szycher, M.**, editors. Blood compatible materials and devices: perspectives towards the 21st century. Lancaster, PA: Technomic; c1991. 303 pages. ISBN: 0-87-762733-9.
- **Silver, F. H.** Biological materials: structure, mechanical properties, and modeling of soft tissues. New York: New York University Press; c1987. 228 pages (NYU Biomed. Eng. Ser.). ISBN: 0-81-477860-7.
- **Silver, F.H.** Biomaterials, medical devices and tissue engineering: an integrated approach. London; New York: Chapman & Hall; 1994. 304 pages. ISBN 0-41-241260-8.
- **Silver, F.H.; Doillon, C.** Biocompatibility: interactions of biological and implantable materials. New York: VCH; c1989. 1 vol. ISBN: 0-89-573317-X.
- **Skalak, R.; Fox, C. F.**, editors. Tissue engineering; February 26-29, 1988; Granlibakken, Lake Tahoe, CA. New York: Liss; 1988. 343 pages (UCLA Symp. Mol. Cell. Biol.; New Ser. 107). ISBN: 0-84-514706-4.
Note: Proceedings of a workshop.
- **Smith, D. C.; Williams, D. F.**, editors. Biocompatibility of preventive dental materials and bonding agents. Boca Raton, FL: CRC Press: 1982. 281 pages (Biocompatibility Dental Mater. 2. CRC Series in Biocompatibility).
- **Smith, D. C.; Williams, D. F.**, editors. Biocompatibility of dental restorative materials. Boca Raton, FL: CRC Press; c1982. 300 pages (Biocompatibility Dental Mater. 3. CRC Series in Biocompatibility). ISBN: 0-84-936619-4.
- **Smith, D.C.; Williams, D. F.**, editors. Characteristics of dental tissues and their response to dental materials. Boca Raton, FL: CRC Press; c1982. 224 pages (Biocompatibility Dental Mater. 1. CRC Ser. in Biocompatibility). ISBN: 0-84-936617-8.
- **Society for Experimental Biology** (Great Britain). The mechanical properties of biological materials. Cambridge; New York: Cambridge University Press; 1980. 513 pages (Symp. Soc. Exp. Biot. 34). ISBN: 0-52-12-13478-6.
Note: Thirty-fourth symposium of the Society for Experimental Biology held at Leeds University, September 4-6, 1979.
- **Spector, M.**, Program Chairman. Transactions of the fifteenth annual meeting of the Society For Biomaterials; April 28-May 2, 1989; Lake Buena Vista, FL.
Note: Volume XII.
- **Spector, M.**, editor. Transactions of the eighth annual meeting of the Society For Biomaterials: in conjunction with the fourteenth international biomaterials symposium; April 24-27, 1982; Orlando, FL:

The Society; c1982. 1 vol.

Note: Volume V.

- **Stamenkovic, I.; Krawczynski, J.**, editors. Biomaterials: special meeting of the Project Eureka 294/8th SIMCER international symposium on ceramics. Julich: Forschungszentrum Julich; 1994. 93 pages (Bilateral Seminars of the International Bureau 17). ISBN 3-89-336132-4.
Note: meeting held November 10-12, 1992, Rimini.
- **Stark, N.J.**, preparer. Biocompatibility testing and management for disposable medical devices. Lancaster, PA: Technomic Pub. Co.; 1995. 172 pages (loose-leaf). ISBN 1-56-676317-7.
Note: seminar notes prepared for attendees.
- **Stark, N.J.**, preparer. Clinical trials design for medical devices. Lancaster, PA: Technomic Pub. Co.; 1995. 216 pages (loose-leaf). ISBN 1-56-676318-5.
Note: seminar notes prepared for attendees.
- **Stoy, V.A.; Kliment, C. K.**, presenters. Hydrogels: speciality plastics for biomedical and pharmaceutical applications. Lancaster, PA: Technomic; 1990. 41-0 pages (loose-leaf). ISBN: 0-87-762815-7.
Note: Seminar notes.
- **Sugarman, B.; Young, E.J.** editors. Infections associated with prosthetic devices. Boca Raton, FL: CRC Press; c1984. 285 pages. ISBN: 0-84-936111-7.
- **Swanson, S.A.V.; Freeman, M.A.R.**, editors. The scientific basis of joint replacement. New York: Wiley; 1977. 182 pages. ISBN: 0-47-103012-0.
- **Syrett, B.C.; Acharya, A.**, editors. Corrosion and degradation of implant materials; a symposium; May 22-23. 1978, Kansas City, MO. Philadelphia, PA: American Society for Testing and Materials; 1979. 356 pages (ASTM Spec. Tech. Pub. 684). ISBN: 0-46-840002-7.
Note: Sponsored by ASTM Committee F-4 on Medical and Surgical Materials and Devices and ASTM Committee G-1 on Corrosion of Metals.
- **Szycher, M.; Robinson, W. J.**, editors. Synthetic biomedical polymers: concepts and applications. Westport, CT: Technomic; c1980. 235 pages. ISBN: 0-87-762290-6.
Note: Sponsored by the Society of Plastics Engineers, Inc.
- **Szycher, M.**, editor. Biocompatible polymers, metals, and composites. Lancaster. PA: Technomic; c1983. 1071 pages. ISBN: 0-87-762323-6.
- **Szycher, M.**, editor. High performance biomaterials: a comprehensive guide to medical and pharmaceutical applications. Lancaster. PA: Technomic; c1991. 812 pages. ISBN: 0-87-762775-4.
- **Szycher, M.** Szycher's dictionary of biomaterials and medical devices. Lancaster, PA: Technomic; c1992. 259 pages. ISBN: 0-87-762882-3.
- **Szycher, M.; Reed, A.**, presenters. Biocompatible polyurethanes: medical and pharmaceutical applications. Lancaster, PA: Technomic; 1991. 310 pages (loose-leaf). ISBN: 0-87-762904-8.
Note: Seminar notes.
- **Szycher, M.; Sioshansi, P., Frisch, E.E.**, presenters. Biomaterials for the 1990s: polyurethanes, silicones, and ion beam modification techniques. Lancaster, PA: Technomic; 1990. 620 pages (loose-leaf). ISBN: 0-87-762760-6.
Note: Seminar notes.
- **Tarcha, P. J.**, editor. Polymers for controlled drug delivery. Boca Raton, FL: CRC Press; c1991. 286 pages. ISBN: 0-84-935652-0.
- **Tencer, A.F.; Johnson, K.D.** Biomechanics in orthopedic trauma: bone fracture and fixation. London: M.Dunitz; 1994. 311 pages. ISBN 1-85-317108-5.
- **Titanium: from mining to biomaterials: the Wollongong symposium.** Canberra, Australia: Dept. of Industry, Technology, and Commerce; 1991. 110 pages. ISBN 0-64-216703-6.
Note: papers from the Workshop on Titanium Biomaterials, held at the Fairways Motor Inn, Wollongong, NSW, July 9-10, 1991, following the Second Annual Meeting of the Australian Society For Biomaterials.
- **Transactions: fourth world biomaterials congress.** Berlin, Germany: European Society For Biomaterials; 1992. 718 pages. ISBN 9-07-210103-0.
Note: constituent societies: Canadian Biomaterials Society, European Society For Biomaterials,

Japanese Society For Biomaterials, and Society For Biomaterials (USA); congress held at International Congress Center, Berlin, Germany, April 24-28, 1992.

- **Transactions: implant retrieval symposium of the Society For Biomaterials.** Minneapolis, MN: The Society; 1992. 104 pages.
Note: symposium held at Pheasant Run Resort, St. Charles, IL, September 17-20, 1992. Transactions of the Society For Biomaterials, vol. XV.
- **Transactions of the nineteenth annual meeting of the Society For Biomaterials, U.S.A.,** in conjunction with the 25th International Biomaterials Symposium; April 28-May 2, 1993; Birmingham, AL. Minneapolis, MN: Society For Biomaterials; 1993.
Note: Transactions of the Society For Biomaterials, vol. XVI.
- **Transactions of the third annual meeting of the Society For Biomaterials** and the ninth annual international biomaterials symposium; April 15-19, 1977; New Orleans, LA. New Orleans, LA: Society For Biomaterials; 1977.
Note: Meeting and symposium sponsored by the National Institutes of Health and other similar bodies.
- **Transactions of the fourth annual meeting of the Society For Biomaterials** and the tenth annual international biomaterials symposium; April 29-May 2, 1978; San Antonio, TX. San Antonio, TX: Society For Biomaterials; 1978. 209 pages.
Note: Sponsored by the National Institutes of Health, National Institute for Dental Research, Clemson University, University of Texas Health Science Center at San Antonio.
- **Transactions: third world biomaterials congress:** in conjunction with the fourteenth annual meeting of the Society For Biomaterials, U.S.A., the twentieth international biomaterials symposium, the ninth annual meeting of the Canadian Biomaterials Society, the eight European conference on biomaterials, the tenth annual meeting of the Japanese Society For Biomaterials; April 21-25, 1988; Kyoto, Japan. Bunkyo-Ku: Business Center for Academic Societies; 1988. 612 pages. ISBN: 4-93-081325-5.
Note: Biomaterials 88, transactions volume XI.
- **Transactions of the twentieth annual meeting of the Society For Biomaterials, U.S.A.,** in conjunction with the 26th International Biomaterials Symposium; April 5-9, 1994; Boston, MA. Minneapolis, MN: Society for Biomaterials; 1994.
Note: Transactions of the Society For Biomaterials, vol. XVII.
- **Transactions of the twenty-first annual meeting of the Society For Biomaterials, U.S.A.,** in conjunction with the 27th International Biomaterials Symposium; March 18-22, 1995; San Francisco, CA. Minneapolis, MN: Society For Biomaterials; 1995. 470 pages.
Note: held at Hyatt Regency San Francisco and Moscone Convention Center, San Francisco, CA, March 18-22, 1995. Transactions of the Society For Biomaterials, vol. XVIII.
- **Tsuruta, T.** et al., editors. Biomedical applications of polymeric materials. Boca Raton, FL: CRC Press; c1993. 512 pages. ISBN 0-84-934519-7.
- **Tsuruta, T.; Nakajima, A.,** editors. Multiphase biomedical materials. Utrecht, The Netherlands: VSP; 1989. 193 pages. ISBN: 9-06-764109-X.
- **Tsuruta, T.** et al., editors. Synthesis and function control of biofunctionality materials. Amsterdam; New York: Elsevier; 1993. 398 pages (New Functionality Mater. B). ISBN 0-44-481613-5; 0-44-489921-9.
- **Ulman, K.; Raul, V.; Gettings, R.** Silicones for biomedical and pharmaceutical applications. Lancaster, PA: Technomic Publishing Co., Inc.; 1992. 248 pages (looseleaf). ISBN 1-56-676019-4.
Note: reference materials for seminar held in Atlanta, GA, November 1992.
- **Urist, M.R.; O'Conner, B.T.; Burwell, R.G.,** editors. Bone grafts, derivatives, and substitutes. Oxford; Boston: Butterworth-Heinemann; 1994. 421 pages. ISBN 0-75-061369-6.
- **Vigo, T.L.; Turbak, A.F.,** editors. High-tech fibrous materials: composites, biomedical materials, protective clothing, and geotextiles. Washington, DC: American Chemical Society; 1991. 398 pages (ACS Symp. Ser. 457). ISBN: 0-84121985-0.
Note: Developed from a symposium sponsored by the Cellulose, Paper, and Textile Division of the American Chemical Society at the 198th National Meeting, Miami Beach, FL, September 10-15, 1989.

- **Vincent, J. F. V.**, editor. Biomechanics-materials. Oxford; New York: IRL Press at Oxford University Press; c1992. 247 pages (Practical Approach Ser.). ISBN: 0-19-963223-5 (hardback); 0-19-963222-7 (paperback).
- **Vincent, J. F. V.** Structural biomaterials. Revised ed. Princeton, NJ: Princeton University Press; c1990. 244 pages. ISBN: 0-69-108558-7.
- **Vincenzini, P.**, editor. Ceramics in surgery; proceedings of the second international symposium on bioceramics; June 16-19, 1982; Lignano Sabbia d'Oro, Italy. Amsterdam: Elsevier; 1983. 408 pages (Mater. Sci. Monogr. 17). ISBN: 0-44-442172-6.
Note: Contributions presented at the 2nd BIOSIMP, a special session of the fifth International Meeting on Modern Ceramics Technologies.
- **Vincenzini, P.**, editor. Ceramics in clinical applications: proceedings of the third international symposium on bioceramics (BIOTEC); June 26-28, 1986; Milan, Italy. Amsterdam: Elsevier; 1987. 476 pages (Mater. Sci. Monogr. 39). ISBN: 0-44-442777-5.
Note: Organized as a satellite symposium of the World Congress on High Tech Ceramics, the sixth International Meeting on Modern Ceramics Technologies (6th CIMTEC).
- **Vincenzini, P.**, editor. Ceramics in substitutive and reconstructive surgery proceedings of the satellite symposium 3 on ceramics in substitutive and reconstructive surgery of the 7th international meeting on the modern ceramics technologies (7th CIMTEC-world ceramics congress); June 27-30, 1990; Montecatini Terme, Italy. Amsterdam; New York: Elsevier Science Pub. Co.; 1991. 649 pages (Mater. Sci. Monogr. 69). ISBN: 0-44-489060-2.
- **von Recum, A.**, editor. Handbook of biomaterials evaluation: scientific, technical, and clinical testing of implant materials. New York: Macmillan; c1986. 611 pages. ISBN: 0-02-423110-X.
- **von Recum, A. F.**, Program Chairman. Transactions of the sixteenth annual meeting of the Society For Biomaterials in conjunction with the twenty-second international biomaterials symposium; May 20-23, 1990; Charleston, SC. Birmingham, AL: Society For Biomaterials; 1990. 321 pages.
Note: Volume XIII.
- **Vroman, L.; Leonard, E. F.**, editors. The Behavior of blood and its components at interfaces. New York: New York Academy of Sciences; 1977. 560 pages (Ann. NY Acad. Sci. 283). ISBN: 0-89-072029-0.
Note: The result of a conference held by the New York Academy of Sciences, and co-sponsored by the Columbia University Seminar on Biomaterials, March 24-26, 1976.
- **Wadstrom, T.**, et al., editors. Pathogenesis of wound and biomaterial-associated infections. London: Springer-Verlag; c1990. 570 pages.
Note: Based on symposium of the same name held in Marienlyst, Helsingor, Denmark, August 30-September 1, 1989.
- **Webster, J. G.**, editor. Encyclopedia of medical devices and instrumentation. New York: Wiley; c1988. 4 vol. ISBN: 04-7-182936-6
- **Weinstein, A., et al.**, editors. Implant retrieval-material and biological analysis; proceedings of a conference; May 1-3, 1980; National Bureau of Standards, Gaithersburg, MD. Washington, DC: US Dept. of Commerce, National Bureau of Standards; 1981. 776 pages (NBS Spec. Pub. 601).
Note: Sponsored by: NBS, FDA, NHLBI, NIAMDD, NIHR, VA, and ASTM; Includes: Release phenomena and interface phenomena; S/N 003-003-02292-6; Item 0247.
- **Willert, H. G.; Buchhorn, G. H.; Eyerer, P.**, editors. Ultra high molecular weight polyethylene as biomaterial in orthopedic surgery. Toronto, Lewiston, NY: Hogrefe & Huber; c1990. ISBN: 0-92-088760-0.
Note: Proceedings of the second Biomaterials Symposium on the subject of UHMW-PE as a Biomaterial in Orthopedic Surgery held in March 1986; organized by the Working Group for Biomaterials of the German Society for Orthopedics and Traumatology.
- **Williams, D. F.**, editor. Biocompatibility of clinical implant materials. Boca Raton, FL: CRC Press; c1981. 2 vol. (CRC Unisci. Ser. Biocompatibility). ISBN: Vol. 1. 0-84-936613-5; Vol. 2. 0-84-936614-3.

- **Williams, D. F.**, editor. Biocompatibility in clinical practice. Boca Raton, FL: CRC Press; 1982. 2 vol. (CRC Ser. Biocompatibility). ISBN: Vol. 1. 0-84-936623-2; Vol. 2. 0-84-936634-0.
- **Williams, D.**, editor. Biocompatibility of implant materials. London: Sector; 1976. 220 pages. ISBN: 0-95-014589-0.
Note: Contributions presented at an International Conference on Materials for Use in Medicine and Biology held in Churchill College, Cambridge, July, 1974; organized by the Biological Engineering Society in liaison with the Institute of Physics, Materials and Testing Group, and the Hospital Physicists Association.
- **Williams, D. F.**, editor. Biocompatibility of orthopedic implants. Boca Raton, FL: CRC Press; c1982. 2 vol. (CRC Ser. Biocompatibility). ISBN: set 0-84-936110-0; Vol. 1. 0-84-936613-5; Vol. 2. 0-84-936614-3.
- **Williams, D. F.**, editor. Biocompatibility of tissue analogs. Boca Raton, FL: CRC Press; c1985. 2 vol. (CRC Ser. Biocompatibility). ISBN: Vol. 1. 0-84-936634-8; Vol. 2. 0-84-936635-6.
- **Williams, D. F.**, editor. Blood compatibility. Boca Raton, FL; CRC Press; 1987. 2 vol. (CRC Ser. Biocompatibility). ISBN: Vol. 1. 0-84-936604-6; Vol. 2. 0-84-936605-4.
- **Williams, D. F.**, editor. Definitions in biomaterials; proceedings of a consensus conference of the European Society For Biomaterials; March 3-5, 1986; Chester, England. Amsterdam, New York: Elsevier; 1987. 72 pages (Prog. Biomed. Eng. 4). ISBN: 0-44-442858-5.
- **Williams, D. F.**, editor. Fundamental aspects of biocompatibility. Boca Raton, FL: CRC Press; c1981. 2 vol. (CRC Ser. Biocompatibility). ISBN: Vol. 1. 0-84-936611-9; Vol. 2. 084-936612-7.
- **Williams, D. F.**, editor., Systemic aspects of biocompatibility. Boca Raton, FL: CRC Press; c1981. 2 vol. (CRC Ser Biocompatibility). ISBN: Vol. 1. 0-84-936621-6; Vol. 2. 0-84-936622-4.
- **Williams, D. F.**, editor. Techniques of biocompatibility testing. Boca Raton, FL: CRC Press; 1986. 2 vol. (CRC Ser. Biocompatibility). ISBN: Vol. 1. 0-84-936615-1; Vol. 2. 084-936616-X.
- **Williams, D. F.; Cahn, R. W.; Bever, M. B.**, editors. Concise encyclopedia of medical & dental materials. Cambridge, MA: MIT Press; 1990. 412 pages (Adv. Mater. Sci. Eng.). ISBN: 0-26-223149-2.
Note: Derived from the Encyclopedia of materials science and engineering.
- **Williams, D.F.; Smith, D.C.**, editors. Biocompatibility of dental materials. Boca Raton, FL: CRC Press; 1982. 4 vol. (CRC Ser. Biocompatibility). ISBN: Vol. 1. 0-84-936617-8; Vol. 2. 0-84-936618-6; Vol. 3. 0-84-936619-4; Vol. 4. 0-84936620-8.
Note: Vol. 1. Characteristics of dental tissues and their response to dental materials; Vol. 2. Biocompatibility of preventive dental materials and bonding agents; Vol. 3. Biocompatibility of dental restorative materials; Vol. 4. Biocompatibility of prosthodontic materials.
- **Williams, J.M.; Nichols, M.F.; Zingg, W.**, editors. Biomedical materials. Pittsburgh, PA: Materials Research Society; c1986. 419 pages (Mater. Res. Soc. Sympo. Proc. 55). ISBN: 0-93-183720-0.
Note: Papers from the Biomedical Materials Symposium, which comprised part of the fall meeting of the Materials Research Society, December 3-6, 1985, Boston, MA.
- **Williams, K. R.; et al.**, editors. Interfaces in medicine and mechanics-2. London, New York: Elsevier Applied Science; 1991. ISBN: 1-85-166583-8.
Note: Proceedings of Interfaces 90, the second International Conference on Interfaces in Medicine and Mechanics held at the Istituto Ortopedico Rizzoli, Bologna, Italy, September 9-14, 1990.
- **Williams, K. R., Lesser, T. H. J.**, editors. International conference on interfaces in medicine and mechanics; 1988; University College, Swansea. Cardiff: Biomaterials Research Group, University of Wales College of Medicine [Distrib. in US & Canada by Elsevier Science Pub. Co., NY]; 1989. 398 pages. ISBN: 1-85-166428-9.
- **Wilson, A.D.** Acid-base cements: their biomedical and industrial applications. Cambridge; New York: Cambridge University Press; 1993. 398 pages (Chem. Solid State Mater. 3). ISBN 0-52-137222-4.
- **Wilson, J.; Hench, L.L.; Greenspan, D.** Bioceramics: volume 8: proceedings of the 8th international symposium on ceramics in medicine. Oxford: Pergamon; 1995. 512 pages. ISBN 0-08-042677-8.
- **Winter, G.**, Conference Chairman. Second conference on materials for use in medicine and biology: problems of biocompatibility, September 20-22, 1976; Brunel University. London: Biological

Engineering Society; 1976. 71 pages. ISBN: 0-90-471604-X.

Note: Organized by the Biological Engineering Society-Biomaterials Group, in association with the Institute of Biology-Biomedical Sciences Division, the Institute of Physics-Materials and Testing Group, and the European Society For Biomaterials.

- **Winter, G. D.; Gibbons, D. F.; Plenk, H. Jr.,** editors. Biomaterials 1980: proceedings of the first world biomaterials congress; April 1980; Baden, Vienna, Austria. Chichester: Wiley; c1982. 829 pages (Adv. Biomater. 3). ISBN: 0-47-110126-5.
Note: Congress held in conjunction with the twelfth International Biomaterials Symposium and the sixth Annual Meeting of the Society For Biomaterials.
- **Winter, G. D.; Leray, J. L.; de Groot, K.,** editors. Evaluation of biomaterials. Chichester, West Sussex, UK: Wiley; c1980. 553 pages (Adv. Biomater. 1). ISBN: 0-47-127658-8.
Note: Based on papers presented at the first European Conference on Biomaterials, held in Strasbourg, September, 1977, organized by the European Society For Biomaterials.
- **Wise, D. L.,** editor. Biopolymeric controlled release systems. Boca Raton, FL: CRC Press; c1984. 2 vol. ISBN: Vol. 1. 0-84-935403-X; Vol. 2. 0-84-935404-8.
- **Wise, D. L.,** editor. Burn wound coverings. Boca Raton, FL: CRC Press; c1984. 2 vol. ISBN: Vol. 1. 0-84-935706-3; Vol. 2. 0-84-935707-1.
- **Wise, D.L.,** et al., editors. Encyclopedic handbook of biomaterials and bioengineering. Part A: Materials; Part B: Applications. New York: Marcel Dekker, Inc.; 1995. Part A: 1912 pages; Part B: 1832 pages. ISBN 0-82-479649-7.
- **Woo, S. L.Y.; Seguchi, Y.,** editors. Tissue engineering, 1989. New York: ASME; 1989.146 pages (BED 14). ISBN: 0-79-180410-0.
Note: Presented at the Winter Annual Meeting of the American Society of Mechanical Engineers, San Francisco, CA, December 1-15, 1989; jointly sponsored by the Bioengineering Divisions(s) of the American Society of Mechanical Engineers and the Japan Society of Mechanical Engineers.
- **Workshop on biocompatibility of metals in dentistry;** July 11-13, 1984, Harold Hillenbrand Auditorium, American Dental Association. Chicago, IL: The Association; 1984. 428 pages.
Note: Sponsored by the National Institute of Dental Research, National Institutes of Health.
- **Yamamuro, T.,** editor. Treatise on biomedical materials 1: proceedings of the 1st international Kyoto symposium on biomedical materials; November 12, 1983; Kyoto, Japan. Kyoto, Japan: Research Center for Medical Polymers and Biomaterials at Kyoto University; 1985. 164 pages.
- **Yamamuro, T.; Hench, L. L.; Wilson J.,** editors. Handbook of bioactive ceramics. Boca Raton, FL: CRC Press; c1990. 2 vol. ISBN: Vol. 1. 0-84-9332241-9; Vol. 2. 0-84933242-7.
Note: Vol. 1. Bioactive glasses and glass-ceramics; Vol. 2. Calcium phosphate and hydroxylapatite ceramics.
- **Yasuda, H.; Stannett, V.T.,** editors. Biological interactions at polymer surfaces. New York: Wiley; 1977. 155 pages (Biomed. Mater. Symp. 8).
Note: Symposium on Biological Interactions at Polymer Surfaces organized as part of the Symposium on Reactions at Polymer Surfaces at the Annual Meeting of the American Chemical Society, August 26, 1975, Chicago, IL.
- **Yettram, A. L.,** editor. Material properties and stress analysis in biomechanics. Manchester, New York: Manchester University Press; c1989. 273 pages. ISBN: 0-71-902521-4.