Literatura

[1] Valenta J. : **Biomechanics**. *Elsevier, New York-London-Tokyo, 1993.*

[2] Valenta J. : **Biomechanika**. *ACADEMIA Praha, 1985.*

[3] Čihák R. : **Anatomie 1**. *Avicenum Praha, 1987.*

[4] Petrovický P.: **Obecné základy anatomie I**. *Karolinum Praha,1995.*

[5] Karas V., Otáhal S., Sušanka P. : **Biomechanika tělesných cvičení SPN**. *Praha, 1990.*

[6] Fung Y.C.: **Biomechanics. Motion, Flow, Stress and Growth**. *Springer-Verlag, New York, 1990.*

[7] Karlson P., Gerok W. a Gross W. : **Pathobiochemie**. *ACADEMIA Praha, 1987.*

[8] Poland J.L. a spol. : **The Musculoskeletal system**. *Hans Huber Publishers, Bern-Stuttgart-Vienna, 1977.*

[9] Silbernagl S., Despopoulos A. : **Atlas fyziologie člověka (překlad)**. *AVICENUM, Praha, 1984.*

[10] Trojan S. : **Nárys fyziologie člověka**. *UK Praha, 1991.*

[11] Uyeda Q.P. : **Three recent breakthroughs in molecular motor research : recombinant mysion, monomolecular in vitro mobility assay and atomic structure of S1**. *Materials Science and Engineering C2, 1994, s. 1-11.*

[12] Pollack G.H. : **Muscles a Molecules - Uncovering the Principles of Biological Motion**. *Ebner a Sons Publisher, Seattle, 1990.*

[13] Allinger T.L. : **Force-length properties in stable skeletal muscle fibres-theoretical consideration**. *J. Biomechanics, No 9, 1996, s. 1235-1240.*

[14] Nussbaum M.A., Chaffin D.B. : **Development and evaluation of a scalable and deformable geometric model od the human torso**. *Clinical Biomechanics, No 1, 1996, s. 25-34.*

[15] Tracy M.F., Gibson M.J. a Szypryt E.P. aj : **The geometry of the muscles of the lumbar spine determined by magnetic resonance imaging. Spine**. *No 14, 1989, s. 186-93.*

[16] McMahon T.A. : **Muscle Mechanics**. *In: Handbook of Bioengineering, coed. R. Skalak, Shu Chien, McGraw-Hill Book Company, New York, 1987 s. 7.1-7.25.*

[17] Hill A.V. : **First and last experiments in muscle mechanics**. *Cambridge University Press, Cambridge, 1970.*

[18] Herzog W. : **Muscle**. *Ve: Biomechanics of the Musculo-skeletal System. Eds. B.M. Nigg a W. Herzog. John Wiley a Sons, Chichester, 1994.*

[19] Edman K.A.P. : **The velocity of unload shortening and its relation to sarcomer length and isometric force in vertebrate muscle fibres**. *J. Physiol. 291, 1997, s. 143-159.*

[20] Edman K.A.P. a Reggiani : **Length-tension-velocity relationships studied in short consecutive segments of intact muscle fibres of the frog.** *Ve : Contractile Mechanism of Muscle Mechanics, Energetics, and Molecular Models, Vol II. Eds. G.H. Pollack a H. Sugi. Plenum Press, New York, 1983, s. 495-510.*

[21] Perrine J.J. a Edgerton V.R. : **Muscle force-velocity and power-velocity relationships under isokinetic loading.** *Med. Sci. Sports Exerc., No. 3, 1978, s. 159-166.*

[22] Hill A.V. : **First and Last Experiments in Muscle Mechanics**. *Cambridge University Press, Cambridge, 1970.*

[23] Smith D.A. a Geeves M.A. : **Strain-dependent cross-bridge for muscle**. *Biophysical J., Vol. 69, 1995, s. 524-537.*

[24] Smith D.A. a Geeves M.A. : **Strain-dependent cross-bidge cycle for muscle**. *Steady-state behavior. Biophysical J., Vol. 69, 1995, s. 538-552.*

[25] Lankaš F. : **A model of cardiac muscle performance**. *AV ČR, Prague, 1997.*

[26] Gnaiger E. : **Physiological calorimetry , heat flux, metabolic flux, entropy and power**. *Thermochimica Acta, 151, 1989, s. 23-34.*

[27] Pennycuick C.J. : **Adapting skeletal muscles to be efficient**. *Ve: Efficiency, economy and related concepts in comparative animal physiology. (ed. R.W. Blake). Cambridge University Press, 1992.*

[28] Pennycuick C.J. a Rezende M.A. : **The specific power output of aerobic muscle, related to the power density of mitochondria**. *J. of Experimental Biology, 108, 1984, s. 377-392.*

[29] Ellington C.P. : **Power and efficiency of insect flight muscle**. *J. of Experimental Biology, 115, 1985, s. 293-304.*

[30] Stevenson R.D. a Josephson R.K. : **Effects of operating frequency and temperature on mechanical power output from moth flight muscle**. *J. of Experimental Biology, 149, 1990, s. 61-78.*

[31] Savelberg C.M. a Schamhardt H.C. : **The influence of inhomogeneity in architecture on the modelled force-length relationship of muscle**. *J. Biomechanics, No 2, 1995, s. 187-197.*

[32] Friederich J.A. a Brand R.A. : **Muscle fiber architecture in the human lower limb**. *J.Biomechanics 23. 1990, s. 91-95.*

[33] Woo S.L-Y. a Winters J.M. : **Multiple Muscle Systems: Biomechanics and Movement Organization**. *Springer, New York, 1990.*

[34] Fung Y.C. : **Biomechanics. Mechanical Properties of Living Tissue**. *Springer-Verlag, New York, 1981.*

[35] Huxley A.F. : **Muscular contraction**. *J. Physiol., 243, 1974, s. 1-43.*

[36] Komárek P. : **Základní mechanické vlastnosti lidských tkání pohybového systému**. *Ve: Biomechanika. ed. J. Valenta, nakl. ACADEMIA Praha, 1985, s. 199-203.*

[55] Cohen M. A., Grossberg S.: **Absolute stability of global pattern formation and parallel memory storage by competitive neural networks**. *IEEE Transaction on Systems, Man, and Cybernetics, 13:815-826. 1983.*

[56] Grossberg S.: **Neural Networks and Natural Intelligence**. *MIT Press, 1988.*

[57] Hebb D. O.: **The Organization of Behavior**. *A Neuropsychological Theory, Wiley, 1949.*

[58] Hecht-Nielsen R.: **Neurocomputing**. *Addison Wesley, 1989.*

[59] Hopfield J.J.: **Neural networks and physical systems with emergent collective computational abilities**. *In Proceedings of the National Academy of Science, vol. 79, p. 2554-2558, 1982.*

[60] Hořejš J.: **A view on Neural Networks Paradigm Development**. *Neural Networks World, IDG & ČSAV, 1991/2.*

[61] Kohonen T.: **Self-organization and Associative Memory**. *Springer-Verlag, 1988.*

[62] Kůrková V.: **Kolmogorov's theorem and multilayer neural networks**. *Neural Networks, 5:501-506.*

[63] Kůrková V.: **Universal approximation using feedforward neural networks with gausian bar units**. *Proceedings of the ECAI'92, p.193-197, Wiley, 1992.*

[64] Kůrková V., Kainen P.: **Functionally equivalent feedforward networks**. *Neural Computation, 6:543-558, 1993.*

[65] Lippman R.P.: **An Introduction to Computing with Neural Nets**. *IEEE ASSP Magazine, April p.4-22, 1987.*

[66] Mařík V., Štěpánková O., Lažanský J., a kol.: **Umělá inteligence (1)**. *Academia, 1993.*

[67] Maury A. Nussbaum, Bernard J. Martin, Don B. Chaffin : **A Neural Network Model for Simulation of Torso Muscle Coordination**. *Journal of Biomechanics, Vol. Journal of Biomechanics, Vol. 30, No. 3, p. 251-258, 1997.*

[68] Minsky M., Papert S.: **Perceptrons**. *MIT Press, Cambridge, 1969.*

[69] Novák M., Faber J., Kufudaki O.: **Neuronové sítě a informační systémy živých organismů**. *Grada, 1992.*

[70] Novák M.: **Neuronové sítě a neuropočítače**. *Edice výběr, SENZO a.s., 1992.*

[71] Petrovický P., Druga R.: **Dráhy centrálního nervového systému**. *SPN, 1989.*

[72] Rawlins Ed. G.J.E.: **Foundations of Genetic Algorithms**. *1st Workshop, Morgan-Kaufman, 1991.*

[73] Šíma J., Neruda R.: **Teoretické otázky neuronových sítí**. *MatfyzPress, 1996.*

[74] Šnorek M., Jiřina M.: **Neuronové sítě a neuropočítače**. *Vydavatelství ČVUT, 1996.*