

Annex 2: List of scholarly, scientific and artistic works

a) Monographs

b) Chapters in monographs

- 1 Winkler P, Siedlecki Z, Beuth W, Nowacka K, Ploceinniczak L, Nowacka A, Hagner-Derengowska M, Wiacek-Zubrzycka W, Borkowska A, Jaracz M, Cyrankiewicz W, Krupa P, Kusza K. 2010 Early outcome and rehabilitation results of patients with brain tumors treated surgically under itraoperative awake conditions. In: Neurosurgery- advances in therapy, nursing and rehabilitation. Eds. Kotwica Z. Bygdoszcz, Poland N/L R
- 2 Pospiech W, Nowacka K, Sasinowska M, Glowacka I, Winklerm P, Wiacek-Zubrzycka M, Hagner-Derengowska M. 2010 Selected Music Forms of Wolfgang Amadeus Mozart as an elimination agent of stress in patients with paraplegia, during hospitalization. In: Neurosurgery- advances in therapy, nursing and rehabilitation. Eds. Kotwica Z. Bygdoszcz, Poland N/L R
- 3 Glowacka I, Nowacak K, hanger W, Kotwica Z, Sasinowska M, Siedlecki Z, Wiacek-Zubrzycka M, Hagner-Derengowska M. 2010 Value of an early rehabilitation after ischemic cerebral stroke. In: Neurosurgery- advances in therapy, nursing and rehabilitation. Eds. Kotwica Z. Bygdoszcz, Poland N/L R

c) Original scientific articles in journals

- 1 Borcz A, Wiacek M, Zajac A, Broda D, Zubrzycki IZ. 2006. The Short Review on Protein Markers in Sport and Fitness Exercises. Journal of Human Kinetics 16:121-138. M R
- 2 Wiacek M, Zubrzycki IZ. 2006. The Level of Functional Fitness of Elderly in Southeastern Region of Poland. Journal of Human Kinetics 16:91-96. M R
- 3 Wiacek M, Zubrzycki IZ, Hagner W. 2007. The correlations between BMI andfunctional fitness measurements of older people living in log-term care facilities. Medical and Biological Sciences 21(2):85-88 N/L R
- 4 Zubrzycki IZ, Borcz A, Wiacek M, Hagner W. 2007. The studies on substrate, product and inhibitor binding to a wild-type and neuronopathic form of human acid-beta-glucosidase. Journal of Molecular Modeling 13:1133-1139. M IF=1.814

- 5 Hagner W, Kazmierczak U, Wiacek M, Zubrzycki IZ. 2008. The primary study on influence of fitness camps on rehabilitation efficiency of full laryngectomy patients. *Journal of Rehabilitation Research* 31:356-358. M IF=0.686
- 6 Wiacek M, Hagner W. 2008. The history and economic impact on the functional fitness of elderly in the South-Eastern region of Poland: A comparison with US citizens. *Archives of Gerontology and Geriatrics* 46(2):221-226. M IF=1.311
- 7 Hagner W, Hagner-Derengowska M, Wiacek M, Zubrzycki IZ. 2009. Changes in level of (V) over dotO(2max), blood lipids, and waist circumference in the response to moderate endurance training as a function of ovarian aging. *Menopause-the Journal of the North American Menopause Society* 16(5):1009-1013. M IF=3.446
- 8 Hagner-Derengowska M, Nowacka K, Hagner W, Wiacek-Zubrzycka M. 2009. NORDIC WALKING – NEW TREND IN REHABILITATION. *Medical and Biological Sciences* 23(3):45-50. N/L R
- 9 Wiacek M, Hagner W, Hagner-Derengowska M, Bluj B, Czereba J, Drozd M, Zubrzycki IZ. 2009. Deterioration of basic coordinative parameters defines life quality of elderly. *Archives of Gerontology and Geriatrics* 49(2):212-214. M IF=1.311
- 10 Wiacek M, Hagner W, Hagner-Derengowska M, Bluj B, Czereba J, Drozd M, Zubrzycki IZ. 2009. Correlations between postural stability and strength of lower body extremities of women population living in long-term care facilities *Archives of Gerontology and Geriatrics* 48(3):346-349. M IF=1.311
- 11 Andrzejewski M, Chmura J, Wiacek M, Zubrzycki IZ. 2010. The influence of individualized training on psychomotor performance of young soccer players. *Journal of Strength and Conditioning Research*. M IF=1.282
doi: 10.1519/JSC.0b013e3181bac390
- 12 Wiacek M, Andrzejewski M, Chmura J, Zubrzycki IZ. in press. The changes of the specific physiological parameters in response to 12-week individualized training of young soccer players. *Journal of Strength and Conditioning Research* M IF=1.282
- 13 Wiacek M, Zubrzycki IZ. 2010 The age dependent divergence of strength and coordinating parameters among men and women: the cross-sectional studies. *Archives of Gerontology and Geriatrics*. M IF=1.311
doi:10.1016/j.archger.2009.12.008

- 14 Wiacek M, Skrzek A, Ignasiak Z, Zubrzycki IZ. in press. The changes of bone mineral density in relation to body mass index and aging among polish and different ethnic women in the United States: a cross sectional studies. Journal of Clinical Densitometry. M IF=1.910
- 16 Wiacek M, Hagner W, Zubrzycki IZ. in press Measures of menopause driven differences in levels of blood lipids, follicle stimulating hormone and luteinizing hormone women age 35-60: NHANES III and NHANES 1999-2002 study. M IF=3.446

d) Special subject-oriented collections editorial work

e) Original scientific articles in proceedings

- [1] Wiacek M. The level of functional fitness of elderly in southeastern region of Poland 14th Conference on „Physical Education and Sport in Scientific Researches” Rydzyna, Poland 2006 M R
- [2] Meenakshi Dwivedi, M., Kalichamy, K., Wiacek, M., and Ahnn J Lifespan extension in calcineurin-defective mutants requires autophagy genes in *C. elegans*. 17th International *C. elegans* meeting, University of California Los angeles, 2009 M R

f) Invited lectures

- [1] Protein purification – the steps in high quality protein purification from avian blood samples. – Hanyang University, Soul, Korea, 2010 M
- [2] The advantages of the use of GE 2D clean kit. Step by step protein cleaning preceding two-dimensional electrophoresis – Hanyang University, Soul, Korea, 2010 M
- [3] Isoelectrophocusing – the appropriate approach to isoelectrophocusing of samples elucidated from different sources – Hanyang University, Soul, Korea, 2010 M
- [4] Second dimension electrophoresis - parameter adjustment. The influence of running conditions on the final quality of the gel. – Hanyang University, Soul, Korea, 2010 M

g) Abstracts related to active contributions to conferences

- [1] Meenakshi Dwivedi, M., Kalichamy, K., Wiacek, M., and Ahnn J Lifespan extension in calcineurin-defective mutants requires autophagy genes in *C. elegans*. 17th International *C. elegans* meeting, University of California Los angeles, 2009

M

h) List of presentations for conferences that have not issued proceedings

i) Purpose-oriented publications

- [1] Wiacek M. The analysis of specific factors influencing health related quality of life: large scale studies on women population age 12 to 85. Habilitation thesis. Masaryk University, Brno, Czech Republic, 2010
- [2] Wiacek M The analysis of coordinative parameters of elderly, Thesis to confer DrMed. degree, Nicolaus University, Torun, Poland, 2008

j) Research/Development projects

k) Patents and other results ...

l) Audiovisual/web research and development presentations

m) Original artistic works

n) Audiovisual / web art presentations

o) other works significant on the part of the applicant

p) Three key works for the applicant (works attached)

- c[7]** Hagner W, Hagner-Derengowska M, Wiacek M, Zubrzycki IZ. 2009. Changes in level of (V) over dotO(2max), blood lipids, and waist circumference in the response to moderate endurance training as a function of ovarian aging. Menopause- the Journal of the North American Menopause Society 16(5):1009-1013. M R, IF = 3.446

It is the first ever report indicating the applicability of Nordic Walking for "treatment" of menopause.

*„The North American Menopause Society is proud that Menopause continues to achieve high ranking among scientific publications. For example, in the most recent Journal Citation Report for the year 2005, **Menopause ranked #3 out of the 57 journals listed in the Ob/Gyn category** – with its highest impact factor (3.913) in history. Menopause is a steady performer that attracts the leading papers.“*

- c[16]** Measures of menopause driven differences in levels of blood lipids, follicle stimulating hormone and luteinizing hormone women age 35-60: NHANES III and NHANES 1999-2002 study. M R IF = 3.446

This is the most recent study on blood lipids differentiation in response to menopausal transition. It disproves some of the earlier statements with regard to menopausal lipid profiles.

- c[12]** Wiacek M, Andrzejewski M, Chmura J, I.Z. Z. in press. The changes of the specific physiological parameters in response to 12-week individualized training of young soccer players. Journal of Strength and Conditioning Research

It is one of the few study reporting correlations between physiological responses of young soccer player to individualized training. The usability of specific physiological parameters for sports monitoring was evaluated and proposed.

M R IF=1.282

q) Three most critical quotations for the applicant

c[10] Wiacek M, Hagner W, Hagner-Derengowska M, Bluj B, Czereba J, Drozd M, Zubrzycki IZ. 2009. Correlations between postural stability and strength of lower body extremities of women population living in long-term care facilities Archives of Gerontology and Geriatrics 48(3):346-349. M R IF=1.311

Cit.[1] Daniel, F.D.N.R., Vale, R., Giani, T., Bacellar, S., Dantas, E. Effects of a physical activity program on static balance and functional autonomy in elderly women. 2010 Macedonian Journal of Medical Sciences 3 (1), pp. 21-26.

Cit.[2] Wiacek M, Hagner W, Zubrzycki IZ. Measures of menopause driven differences in levels of blood lipids, follicle stimulating hormone and luteinizing hormone women age 35-60: NHANES III and NHANES 1999-2002 study. in press

c[9] Wiacek M, Hagner W, Hagner-Derengowska M, Bluj B, Czereba J, Drozd M, Zubrzycki IZ. 2009. Deterioration of basic coordinative parameters defines life quality of elderly. Archives of Gerontology and Geriatrics 49(2):212-214 M R IF=1.311

Cit.[3] Guo, N.Y., Jeon, H., Lee, S., Ho, W.L., Cho, J.-Y., Suk, K. 2009 Role of soluble CD14 in cerebrospinal fluid as a regulator of glial functions. Journal fo Neuroscience Research 87 (11) pp. 2578-2590
