

## **PUBLICATIONS ON MONITORING THE METABOLIC ENERGY BALANCE IN HUMANS AND IN ANIMALS**

### **Publications on monitoring humans**

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- [3] Negri, L. ; Carissoli, C. ; Fernández, AP ; Dei, C. ; Chiappini, M. ; Bassi, M. ; Storm, F. ; Berckmans, D. ; Delle Fave, A. The MindBot project for mental health promotion of workers interacting with collaborative robots.EUROPEAN JOURNAL OF PSYCHOLOGY OPEN, 82, 349-349, 1, abstr 1335. (Oct 2023).
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- [9] J. Taelman, P. Joosen, V. Exadaktylos and D. Berckmans, "Stress Level Monitoring in Car Racing - Examples of Measurements during Races," in Proceedings of the 4th international congress on Sport Sciences Research and Technology Support, Porto, Portugal, 2016.
- [10] E. Smets, P. Joosen, J. Taelman, V. Exadaktylos and D. Berckmans, "Monitoring the mental status of football players," in Proceedings of the International Congress on Sports Science Research and Technology Support, Villamoura, Portugal, 2013.
- [11] P. Joosen, V. Exadaktylos, J. Taelman and D. Berckmans, "The effect of Individual Stress Zones on car-racing performance," in 14th International Conference on Wearable and Implantable Body Sensor Networks (BSN), Eindhoven, Netherlands, 2017.
- [12] P. Joosen, V. Exadaktylos, J. Taelman, J.-M. Aerts and D. Berckmans, "Method for artefact detection and removal in heart rate signals measured during physical exercise," in Proceedings of the International Congress on Cardiovascular Technologies, Villamoura, Portugal, 2013.
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- [15] Gielen, J.; Mehuys, E.; Berckmans, D.; Meeusen, R.; Aerts, JM. 2022. Monitoring Internal and External Load During Volleyball Competition. International Journal of Sports Physiology and Performance. 17, 4, 640-645. DOI 10.1123/ijsp.2021-0217
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- [21]Topalovic, M.; Zonanashvili, R.; Exadaktylos, V. ; Berckmans, D.; Aerts, JM; Troosters, T.; Janssens, W. Second Order Transfer Function of Specific Resistance Loops To Detect Presence Of COPD. 2017. AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE. 193, A6851.
- [22]P. Joosen<sup>1</sup>, T. Norton, J. Marchant-Ford, D. Berckmans. 2019. Animal welfare monitoring by real-time physiological signals. Proceedings of ECPLF2019. Pp. 337 – 345. Edited by B. O’Brien, D. Hennessy and L. Shalloo. Cork, Ireland.
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- [24]Negri, L.; Carissoli, C.;Fernández, AP.; Dei, C.; Chiappini, M.; Bassi, M.; Storm, F. ; Berckmans, D.; Delle Fave, A. 2023. The MindBot project for mental health promotion of workers interacting with collaborative robots. EUROPEAN JOURNAL OF PSYCHOLOGY OPEN, 82, 49-349
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- [2] Zhao, Y. ; Ramirez, BC ; Siegford, JM ; Gan, H. ; Wang-Li, L. ; Berckmans, D. ; Burns, RT. Field Implementation of Precision Livestock Farming: Selected Proceedings from the 2nd US Precision Livestock Farming Conference. ANIMAL, 14, 7. DOI 10.3390/ani14071128 article 1128. (2024)
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