

# Gad, Mohamed

## Professor Doctor

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### Profile

With over 21 years academic experience in sport science faculties and sport management activities. My research interests are focused on movement and training sciences

### Research topics

Neuromuscular  
transcranial magnetic stimulation (TMS).  
Electroencephalography (EEG).  
Sport training.  
Swimming exercise.

### Experience


#### **2018– Present** POSTDOCTORAL

- **Institute for Sport Sciences Rostock University, Rostock- Germany**
- Working in laboratory of biomechanics, department of movement and training science


#### **2013–2014** POSTDOCTORAL

- **Institute for Sport Sciences Graz University, Graz- Austria**
- Working in laboratory of biomechanics, department of movement and training science



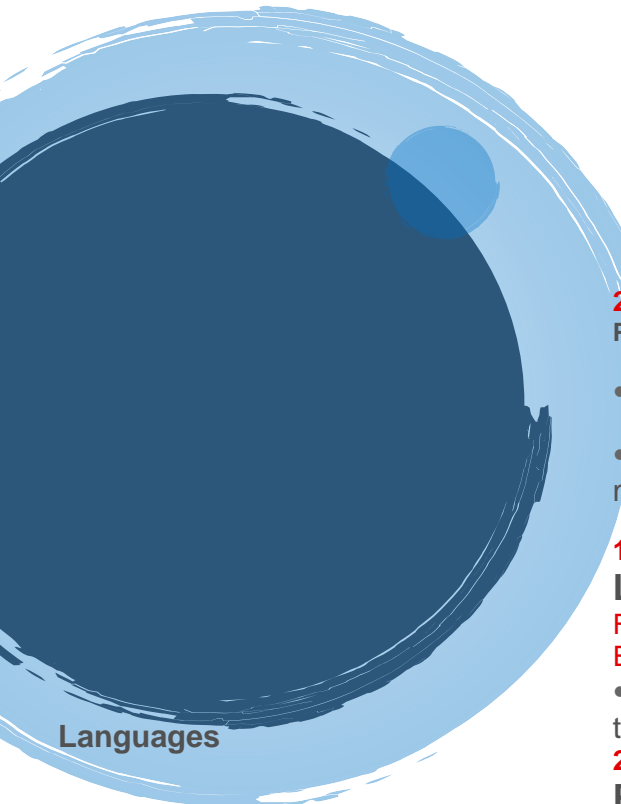
 Ulmenstraße 69 1.06  
Rostock 18057

 2763

 [Maagswimswim@gmail.com](mailto:Maagswimswim@gmail.com)

 [https://www.researchgate.net/profile/Mohamed\\_Gad41](https://www.researchgate.net/profile/Mohamed_Gad41)





**2009–2010**  
POSTDOCTORAL

- Institute for Sport Sciences Rostock University, Rostock- Germany
- Working in laboratory of biomechanics, department of movement and training science

**1997–2018**  
**LECTURER AT UNIVERSITY**

Faculty of Physical Education at Helwan University Helwan - Egypt |

- Teaching the approaches of physical education, sport training and biomechanics

**2003 - 2007**

**PHD RESEARCH SCIENTIST**

Faculty of Physical Education at Helwan University Helwan - Egypt

- PhD candidate and working as researcher in the research center of performance diagnostic and training advices.

**1998-2003**

**ASSISTANT LECTURER AT UNIVERSITY**

Faculty of Physical Education at Helwan University Helwan - Egypt

- Teaching the approaches of physical education and sport training

**Languages**

- Arabic ●●●●●
- English ●●●●
- German ●●●

**Computer Software**

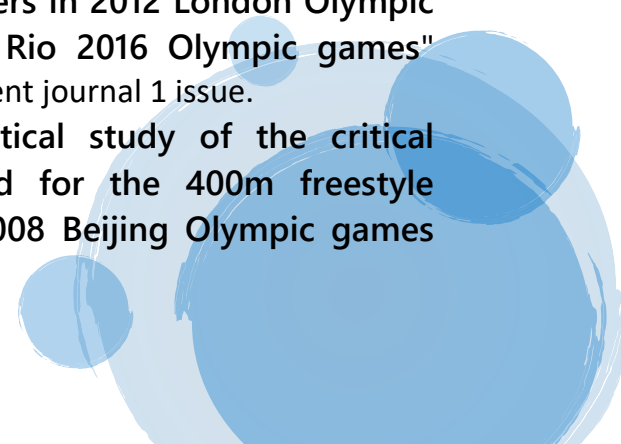
- Microsoft Word ●●●●●
- Microsoft Excel ●●●●●
- PowerPoint ●●●●●
- Microsoft Outlook ●●●●●
- IBM SPSS Statistics ●●●●●

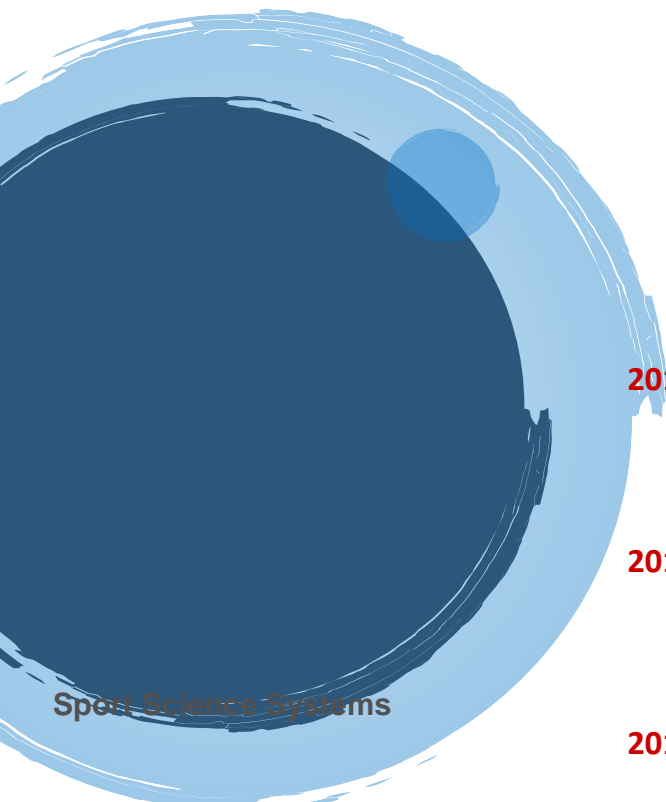
**Publications**

**2018** Gad, M ; Effect of using ballistic stretching exercise on the Gastrocnemius muscles and tissue properties for physical education and police students in Austria Human Development journal 2 issue.

**2017** Gad, M ; Analytical study to race pace strategy and critical swimming speed for the 800m freestyle swimmers in 2012 London Olympic games and the Rio 2016 Olympic games" Human Development journal 1 issue.

**2016** Gad, M ; Analytical study of the critical swimming speed for the 400m freestyle swimmers in 2008 Beijing Olympic games





**Sport Science Systems**

Magnetic Stimulation	● ● ● ● ●
Galileo_NT	● ● ● ●
DIAdem	● ● ● ● ●
IBM SPSS Statistics	● ● ● ● ●
Dewesoft	● ● ● ● ●
Image J 2D& 3D	● ● ● ● ●
Dynamometer	● ● ● ● ●
EMG	● ● ● ● ●
Matlab	● ●

and the Rio 2016 Olympic games"Human Development journal 3 issue.

**2015** Gad, M ; Abdelfatah, A,;The EFFECT OF ULTRA-SHORT RACE-PACE TRAINING ON THE LEVEL OF SWIMMING PERFORMACE , the European Journal for sport sciences Technology. 6 Issue.

**2014** A. Konrad<sup>1</sup>, M. Gad<sup>2</sup>, M. Tilp<sup>1</sup>; Scand J Med Sci Sports “Effect of PNF stretching training on the properties of human muscle and tendon structures”. doi: 10.1111/sms.12228 ( Graz Uni)

**2013** - Konrad, A.,Gad, M., Tilp, M THE EFFECT OF A 6-WEEK PNF STRETCHING TRAINING ON VARIOUS MUSCLE-TENDON PARAMETERS” European college of sports science 2013 26th - 29th June, Barcelona – Spain.

**2011** M, Gad “The optimal position of the coil angle on scurf by using transcranial magnetic stimulation on biceps brachii” World journal of sports science 5 (1): 23-26; ISSN 2078-4724Gad,

**2010** Gad, M.A.A.; Creuznacher, U.; Zschorlich, V. “Facilitation of a contraction-relaxation-stretching on the motor evoked potentials of the m.biceps brachii” Sport Science where the cultures meet- Antalya, Turkey.

**2010** M, Gad, Mohamed Ramadan “Using a Transcranial magnetic stimulation in determining the best measure angle of the muscle biceps brachii and their relationship to electromyography” The 13th International Scientific Conference Physical Education & Sport Challenges of the 3rd Millennium Cairo, Egypt.

**2009** M, Gad , Tark El sayed. “A comparative analysis of the 400 meter freestyle during the 2008 Beijing Olympic champion the Arab Republic of Egypt 2008” “Investment towards a Better



Member in council

European College of Sport Science-
Germany
Union of professional sports-
Egypt
Swimming federation-
Egypt

2009 M, Gad “Analytical study of the results of the tenth event of the Champions League for water polo Investment towards a Better Egyptian and Arab Sport”- Zagazeg, Egypt.

### Leadership

- TOT
- Time management and pressures,
- E-Learning,
- Proposal writing for post Docs,
- Use of technology in teaching,
- Research Ethics

