

Personal and professional data sheet

Name: Dr Attila Bai	Year of birth: 1967
College or university degree and qualification, issuer and year of the diploma	
<i>Degree in Agricultural Engineering, University of Agricultural Sciences, Debrecen, 1991</i>	
Current workplace(s), position(s) listed in the appointment, in case of multiple workplaces, <u>underline</u> the institution you have a “declaration of exclusivity” (accreditation) with.	
<i>University of Debrecen, Faculty of Economics and Business, Institute of Applied Economics, Department of Business Economics - university professor</i>	
Scientific degree (PhD, Csc, DLA) (in case of a recent PhD/DLA (i.e. within 5 years) add the title of the dissertation as well) or Academy of Sciences/Arts title/membership (“dr. habil” title, doctor of the Hungarian Academy of Sciences (DSc) title; by indicating the discipline and the date), other titles	
<i>Ph.D. (economics), 1998, Dr habil (management), 2009</i>	
Educational activity so far	
<u>Currently supervised courses (in Hungarian)</u>	
<i>Integrated Settlement Development (own curriculum development)</i>	
<i>- MSc in Rural Development Engineering (DE GTK)</i>	
<i>Alternative management (own curriculum development)</i>	
<i>- MSc in Rural Development Engineering (DE GTK)</i>	
<i>Alternative Management and Rural Development (own curriculum development)</i>	
<i>- MSc in Agricultural Plant Medicine (DE MÉK)</i>	
<i>Organisation and economics of precision farming</i>	
<i>- Specialist engineer in precision farming (DE-MÉK)</i>	
<i>Enterprise Economics</i>	
<i>- BSc in Business and Management (DE GTK)</i>	
<i>- BSc Marketing (DE-GTK)</i>	
<u>Currently supervised courses (in English)</u>	
<i>Integrated Settlement Development (own curriculum development)</i>	
<i>- MSc in Rural Development Engineering (DE GTK)</i>	
<i>Alternative management (own curriculum development)</i>	
<i>- MSc in Rural Development Engineering (DE GTK)</i>	
<i>Alternative Management and Rural Development (own curriculum development)</i>	
<i>- MSc in Agricultural Plant Medicine (DE MÉK)</i>	
<u>Formerly supervised courses (in Hungarian)</u>	

Renewable Energy Resources Analysis (own curriculum development)

- PhD course, optional subject (IKDI)

Biomass utilisation (own curriculum development)

- MSc in Biotechnology (DE TTK)

Bioenergy (own curriculum development)

- Specialist in Renewable Energy (DE TTK)

Energy and Cost Management (own curriculum development)

- Specialist in Renewable Energy (DE TTK)

Formerly supervised courses in the traditional (five-year) programme

- Corporate Economics I-IV, 2005-2010 (exams: until 2016)

o AVK, Rural Development Agricultural Engineer, IT Agricultural Engineer, additional training

o MTK: Environmental Agricultural Engineering, MSc in Plant Health

- Regional economics (introduction of a new subject), 2000-2010 (examinations until 2016)

o AVK, specialisation in administrative management engineering

- Regional planning (introduction of new subject) 2000-2008

o AVK, specialisation in rural development agricultural engineering, specialisation in administrative management engineering)

- Entrepreneurship, 2001

o Computer statistician and economic planner (higher vocational training)

o Economics of renewable energy sources (introduction of a new subject) 2004 ("C" type subject)

Time in education: 28 years (4 years in English)

- 1992-93: Cserháti Sándor Mg-i szakközépiskola (Nagykanizsa)

- 1993-: Debrecen University of Agricultural Sciences and its successors

Talent management

- **Awards for talent management.**

- Awards for talent management: Gold Medal for Master Teachers (2013, OTDT), Pro Cura Ingenii Award (2014, DE), Pro Scientiae Oeconomicae Award (DE GVK, 2011), Award for Excellent OTDK Supervisors (DE GTK, 2019), Dean's Acknowledgement (DE GVK, 2007, 2009)

- OTDK student awards: 6 first, 2 second, 1 third place and one special prize

- Doctoral studies: DE Ihrig Károly Doctoral School: subject leader, core member;

- Number of PhD students with thesis supervision: 3 (Hungarian students); ongoing supervision: 4 (international students)

- Member of 42 doctoral (Ph.D, habil) thesis committees, predominantly as an opponent, chair and member of doctoral thesis committee, member of doctoral admission committee

Relationship between the professional/research activity of the tutor and the course(s) to be taught

a) publications in the (specific) professional area (at most 5 typical publications)

1. **Bai A.**, Stündl L., Bársony P., Jobbágy P., Herpergel Z., Fehér M., Vaszkó G.: Algae production on pig sludge. AGRONOMY FOR SUSTAINABLE DEVELOPMENT. ISSN: 1774-0746 (print version) ISSN: 1773-0155 (electronic version) DOI: 10.1007/s13593-011-0077-2, 2012, pp. 611-618.
IF (2012): 3,573 (D1)
2. **Bai, Attila**; Popp, József; Balogh, Péter; Gabnai, Zoltán; Pályi, Béla; Farkas, István; Pintér, Gábor; Zsiborács, Henrik: Technical and economic effects of cooling of monocrystalline photovoltaic modules under Hungarian conditions RENEWABLE & SUSTAINABLE ENERGY REVIEWS 60: pp. 1086-1099. (2016) , **IF (2016): 8,050 (D1)**
3. Erika Kurucz, Miklós G. Fári, Gabriella Antal, Zoltán Gabnai*, József Popp, **Attila Bai.**: Opportunities for the production and economics of Virginia fanpetals (Sida hermaphrodita), Renewable and Sustainable Energy Reviews, Volume 90, 2018, Pages 824-834, ISSN 1364-0321, <https://doi.org/10.1016/j.rser.2018.04.007>. **IF (2018): 10,556 (D1)**
4. Péter Balogh, **Attila Bai***, József Popp, László Huzsvai, Péter Jobbágy: Internet-orientated Hungarian car drivers' knowledge and attitudes towards biofuels RENEWABLE & SUSTAINABLE ENERGY REVIEWS 48 pp. 17-26. , 10 p. (2015) **IF (2015): 6,798 (D1)**
5. Torjai L., Nagy J., **Bai A.**: Decision hierarchy, competitive priorities and indicators in large-scale „herbaceous biomass to energy” supply chains. BIOMASS & BIOENERGY (ISSN: 0961-9534) (eISSN: 1873-2909) Vol. 80: doi:10.1016/j.biombioe.2015.06.013 September 2015, pp. 321-329. **IF (2015) 3,249 (D1)**

b) further scientific research, development, creative or artistic achievements

Currently, according to MTMT: **388 publications, 800 independent references (242 in WoS/Scopus).**

- of which **50 scientific journal articles** (H-index: 15, Scopus H-index: 10)
- of which 24 Thomson impact factor publications (cumulative IF 79.050, average 3.3).
- categorisation: 5 D1, 9 Q1, 7 Q2, 2 Q3 and 1 Q4.

- MTMT list: <https://m2.mtmt.hu/frontend/#view/Publication/SmartQuery/1127/>
- Tudóstér list: <https://tudoster.idea.unideb.hu/hu/szerzok/466>

c) professional expertise, experience, certifiable reputation

From 2014: MTA DAB, Chair, Renewable Energy Working Group

Since 2014: Member of the Council of the Károly Ihrig Doctoral School (2016- to 2017 and as of 2017 regular member)

Editorial Board Memberships

Sustainability (SW, MDPI, IF 3,251, Q2), here also invited co-editor of a special issue (2019)

https://www.mdpi.com/journal/sustainability/special_issues/economic_energy

Agricultural Science (Canada), <http://www.todayscience.org/asboard.php>

Journal of Central European Green Innovation (H)

<http://greeneconomy.karolyrobert.hu/hu/szerkeszto>

Trends in Renewable Energy (USA), <http://futureenergysp.com/index.php/tre/about/editorialTeam>