


PERSONAL INFORMATION

NAME Dr. Sándor Némethy PhD


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 Muskátli utca 9, H-8272 Tagyon, Hungary

Sex: Male | Date of birth: 05/06/1955 | Nationality: Hungarian and Swedish

POSITION

1. Associate professor, Eszterházy Károly University, Károly Róbert Campus, Gyöngyös, Hungary
2. Senior lecturer (universitetslektor), Dept. of Earth Sciences, University of Gothenburg, Sweden (20%)

WORK EXPERIENCE

Date

- | | |
|---------------------------|--|
| 2015.09.01 – present | Associate professor, Eszterházy Károly University, Károly Róbert Campus (former Károly Róbert University College), Gyöngyös, Hungary |
| 2014.01.02 – 2014.08.31 | Associate professor, University of Kaposvár, Hungary. International curriculum development. Subject areas: regional development, sustainable development, soil science, biogeochemical cycles, natural resources management. |
| 2012 – present | Member of the Board of Professors of the Doctoral School of Environmental Agronomy at the University of Palermo, Italy. |
| 2011.01.01 – present | Associate visiting professor, University College of Tourism and Ecology (WSTIE), Sucha Beskidzka, Poland. Subjects taught in Polish and English: environmental management, regional planning, rural tourism, nature conservation and preservation of biodiversity, cultural heritage and tourism, enotourism |
| 2009.09.01 – 2013.10.31 | Associate professor, Institute of Environmental Sciences and director of International Office, Károly Róbert University College, Gyöngyös, Hungary. Subjects taught on international courses in English: wine biochemistry, sensory evaluation of wines, biogeochemistry, soil science, environmental protection: management of Persistent Organic Pollutants (POPs) |
| 2003.01.01. – present | Senior lecturer (Universitetslektor), Department of Earth Sciences, University of Gothenburg, Gothenburg, Sweden. Subjects taught: Palaeoclimatology and Global Change; Marine Micropalaeontology and Marine Biogeochemistry; Geochronology; Historical geology; Wine science. From 2011 only 20% mainly distance work and occasional lecturing. |
| 2003.01.01. – 2008.12.31 | Departmental coordinator for the ERASMUS teacher and student mobility programme. Earth Sciences Centre, University of Gothenburg, Sweden. |
| 1999.10.01. – 2001.12.31. | Educational consultant for the private health care sector, part time, Darlington Borough Council & ISPG, Darlington, UK. Organizing educational campaigns. Advisor on relevant EU legislation. |
| 1999.10.01. – 2001.12.31. | Care home manager, part time, Darlington, UK. |
| 1997.08.01. – 2000.04.30. | Social worker, Aycliffe Young People's Centre, Newton Aycliffe, UK. |

- 1995.08.01. – 1997.08.31. Post Doctoral Research Associate, University of Newcastle, UK. Method development for analysis of proteins preserved in fossil bones and parchment.
- 1990.01.02. – 1995.06.30. Post graduate fellowship in Marine Geology, Department of Marine Geology, Göteborg University, Göteborg, Sweden. Molecular Palaeontology. Establishing a new laboratory for the analysis of ancient biomolecules (proteins and DNA). Organizing international cooperation with East – European universities.
- 1988.09.01. – 1989.12.31. Care worker at Högsbo Hospital, Göteborg, Sweden. Working with old people at the psychogeriatric department, part time work simultaneously with full-time studies in marine geology at the University of Gothenburg.
- 1985.08.01. – 1988.08.15. Care worker at different hospitals in Malmö and Lund, Sweden. Full time work and part time studies at University of Lund.
- 1983.07.01. – 1984.06.20. Toxicologist, manager of histo-toxicological laboratory at NEVIKI (Heavy Chemical Research Institute), Veszprém, Hungary. Responsibilities: testing agricultural chemicals, environmental risk assessment.

EDUCATION AND TRAINING

- | Date | |
|-------------|---|
| 2003 | Post Graduate Diploma in Applied Environmental Science: Environmental and Health Inspector – University of Gothenburg, Sweden. Environmental management, environmental chemistry, climatology and climate change, environmental law, catastrophe management |
| 2002 | 2002 Post Graduate Diploma in Strategic Management – Institute of Management, Darlington College of Technology & University of Teesside, UK |
| 1995 | PhD in Marine Geology, University of Gothenburg, Sweden. Molecular palaeontology and marine biogeochemistry |
| 1988 – 1990 | BSc in Marine Geology, University of Gothenburg, Sweden |
| 1987 – 1988 | Advanced course in applied zoophysiology: “The indium - transferrin complex - a tool for tracing tumours” University of Lund, Sweden |
| 1988 | Proficiency in English, University of Lund, Sweden |
| 1987 | First Certificate in English, University of Cambridge, UK |
| 1985 | Proficiency in Swedish language, University of Lund, Sweden |
| 1983 | MSc in Biology, József Attila University of Sciences, Szeged, Hungary, (5 years full time studies) |
| 1975 - 1977 | Academy of Education, Pécs, Hungary: two years academic training in agriculture (horticulture and viticulture), animal husbandry, art, art history, biology, didactics. |

PERSONAL SKILLS

Mother tongue(s) Hungarian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Swedish	C2	C2	C2	C2	C2
Polish	B2	B2	B2	B2	B1
Italian	B1	B1	B1	B1	B1
German	A1	A1	A1	A1	A1
Russian	A1	A1	A1	A1	A1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

- Communication skills**
- Professional Interpersonal Communication (verbal and non-verbal communication, effective speaking, personal presentation and appearance, active listening, reflecting and clarification)
 - Writing
 - Effective and efficient media communication

- Organisational / managerial skills**
- Advanced strategic planning and monitoring
 - International networking

- Job-related skills**
- Wide education in natural sciences and humanities
 - Special qualification in viticulture (as a part of agricultural and horticultural training)
 - Special training in industrial microbiology and fermentation technology
 - Experience in exploring organizational structures and identifying paradigms
 - Qualified manager
 - Experience in social marketing
 - Familiar with EU institutions and administration
 - Many years of international experience
 - Artist, solid background in painting, drawing and graphic techniques

- Computer skills**
- Advanced user of all applications of Office professional packages
 - Internet : information search and communication platforms
 - Harward Graphics advanced presentations (versions 3 and 4)

- Driving licence**
- AM and B

ADDITIONAL INFORMATION

Total number of publications: **51**

Conference papers: **34**

Publications of the last 5 years:

Némethy, S., Kőmíves, T. (2016): On Ecocycles and circular economy. Ecocycles, the official online journal of European Ecocycles Society. 2:1, pp. 44-46 (DOI prefix 10.19040 [CrossRef], ISSN 2416-2140).

Némethy, S., Bommalm, L., Lagerqvist, B., Havasi, B. (2016): Insjöfart och varvsindustri på Balatonsjön i Ungern. Från antikens farkoster till slutet av ångbåtstrafikens första period 1890. (Inland waterways and shipyards on the Lake Balaton, Hungary. From antique ships to the beginning of the first period of steamboat traffic). In Swedish. Submitted to Länsgruppen ISSN 0281-4242

Némethy, S., Walas, B., Lagerqvist, B., and Dinya, L. (2016): Oenotourism and conservation: a holistic approach to special interest tourism from a cultural heritage perspective – The Azienda Agricola Model. Ecocycles, the official online journal of European Ecocycles Society. 2:1 (DOI prefix 10.19040 [CrossRef], ISSN 2416-2140).

Némethy, S. & Walas, B. (2016): Bioenergy crops as new components of rural and agricultural landscapes: environmental and social impact, conservation, cultural heritage and economy. Journal of Central European Green Innovation, (JCEGI 3(TI)) HU ISSN 2064-3004, Hungary

Némethy, S. & Molnár, G. (2014): Sustainable management of lakes in connection with mitigation of adverse effects of climate change, agriculture and development of green micro regions based on renewable energy production. EQA - International Journal of Environmental Quality, ASDD-AlmaDL. ISSN 2281-4485; <http://eqa.unibo.it/>

Némethy, S. (2014): A meglévő nemzetközi kereslet bemutatása a felsőfokú agrár- és élelmiszertudomány, a gasztronómia és a kapcsolódó gazdaságtudományi képzések iránt. Az orosz, kínai, indiai, német, osztrák, balkáni és török területen meglévő kereslet bemutatása. (Presentation of the existing international demand for higher education programmes in agriculture, food science and gastronomy and related economical education. Presentation of demand on the Chinese, Indian, German, Austrian, Balcan and Turkish higher education markets. Report, in Hungarian with English summary). 228 pp. Kaposvári Egyetem, TÁMOP-4.1.1.C-12/1/KONV-2012-0011.

Némethy, S. & Molnár, G. (2013): Key issues of sustainable lake management: climate change, agriculture, regional development, renewable energy production and tourism. Zeszyty Naukowe WSTiE, Sucha Beskidzka, Poland. ISSN: 2084-8722, 4/2013, pp. 24-54

Némethy, S. & Gábor Molnár (2013): Joint Transnational Strategy Development and Local Guidelines for Lake Management. Project EULAKES Ref. Nr. 2CE243P3 European Lakes under Environmental Stressors (Supporting lake governance to mitigate the impact of climate change). Report. Deliverables 6.2.2. & 6.2.3. 133 pp.

Némethy, S. & Dinya, L. (2012): Sustainable energy management as a prerequisite for sustainable tourism and rural development. Environmental, economical and social implications. Zeszyty Naukowe WSTiE, Sucha Beskidzka, Poland. ISSN: 2084-8722 pp. 68-91

Némethy, S. (2012): Sources, assessment, remediation and prevention of persistent organic pollutants. The ecocycle-model as a solution. Swedish case studies, environmental monitoring and legislation. Acta Phytopathologica et Entomologica Hungarica. Akadémiai Kiadó, 0238-1249 (Print), 1588-2691 (Online). Plant Science & Entomology, Volume 47, Number 2/December 2012, 331-353

Némethy S. - Hágén I. Zs. – Bíró B. (2011): The legal framework of using biologically cleaned waste water as nutrient solution instead of inorganic fertilizers in Hungarian agriculture. Thüringisch – Ungarisches Symposium 2011, CD presented pp. 25 - 30 ISBN: 978-3-932-886-28-7 Fachhochschule Jena, Germany

The 10 most important conference papers and presentations of the last 5 years

Némethy, S. (2014): Mitigating the adverse effects of climate change in shallow lakes and their watershed areas through holistic lake management practices and green regional development plans. Interaction of natural and social processes in shallow lake areas. International Conference, Kaposvár University, Balaton Research Institute and Balaton Limnological Institute Centre for Ecological Research, Hungarian Academy of Sciences. November 6-7, 2014

Némethy, S. (2013): Példák a fenntartható városmegoldásokra itthon és a világban (Examples for sustainable city-solutions in Hungary and elsewhere in the world. In Hungarian). City Hungary 2013 – a fenntartható és élhető magyar városokért. 2013. October 29.

Némethy, S. (2013): Good and bad practices of waste management: some examples from Sweden, Germany, USA, India and the Philippines. The viability of the zero waste concept. First Conference of European Ecocycles Society, University of Palermo, Italy, 2013.08.02

Némethy, S. (2012): Prevention and Outphasing of Persistent Organic Pollutants Through Life Cycle Analysis and Designed Ecocycles 18th International Conference on Chemistry, Băile Felix, Romania, November 22-25, 2012 (XVIII. Nemzetközi Vegyészkonferencia, Félixfürdő, 2012. november 22-25.)

Némethy S. Dinya L. Gergely S. Varga G. (2012): Renewable energy production and use through sustainable ecological cycles in agriculture. Angol nyelvű előadás. XIII. Nemzetközi Tudományos Napok, Gyöngyös, 2012.03.29-30. CD alapú konferencia kiadvány, ISBN 978-963-9941-53-3. 239-248. pp.

Gergely S. – **Némethy S.** (2012): Az energetikai biomassza lehetőségei és korlátai a Magyarország megújuló energiahasznosítási tervével összefüggésben. XIII. Nemzetközi Tudományos Napok, Gyöngyös, 2012. március 29-30. A Tudományos Napok előadásai és poszterei – konferencia kiadvány, III. kötet – „Zöld gazdaság és versenyképesség?”. ISBN 978-963-9941-66-3. 1394-1404 p.

Gergely S. **Némethy S.** (2011): How much of our energy supply comes from biomass? Nemzetközi környezet-technológiai, fenntartható mezőgazdasági és vidékfejlesztési konferencia (International Conference on environmental technologies, sustainable agriculture and regional development), Gyöngyös, 2011.06.06-07.

Némethy, S. and Gergely, S. (2011): Waste water as nutrient for crops and bio energy forests. International Conference on Environmental Technologies. Conference proceedings, University of Pannonia, 1-3 June, 2011. ISBN 978-963-9941-22-9

Gergely S. & **Némethy S.** (2011): Energy survey of the municipal institutions of Nagyréde for the purpose of installing green energy tree based heating plant(s) (Nagyréde önkormányzati intézményei energetikai katasztere zöldenergiafa alapú fűtőmű(vek) létesítéséhez). Poszter. Nemzetközi környezet-technológiai, fenntartható mezőgazdasági és vidékfejlesztési konferencia (International Conference on environmental technologies, sustainable agriculture and regional development), Gyöngyös, 2011.06.06-07.

Némethy S. & Gergely S. (2010): Biogas as the main component of the crop – product - waste – energy – crop ecocycle and possible link between urban and rural cycles of biofuel – based energy production (Biogáz, mint a termény-termék-hulladék-energia-termény ökociklus fő alkotórésze és egy lehetséges láncszem a városi és vidéki bioenergiára épülő energiatermelés között.) Poszter – XII. Nemzetközi Tudományos Napok, Gyöngyös, 2010.03.25-26.

Projects:

- 2016** **SUMCULA** (Sustainable Management of Cultural Landscapes) coordinator and one of the inventors together with prof. Bosse Lagerqvist. International education and research project launched by the Department of Conservation, University of Gothenburg involving Eszterházy Károly University, the University of Pécs and four other European universities.
- 2013** **Ecocycles 3.** Erasmus Intensive Programme on sustainable use of natural resources and regional development, Italy, Palermo, Sicily. Coordinator and inventor of the programme with eleven participating countries and twenty one universities
- 2012** **Ecocycles 2.** Erasmus Intensive Programme on sustainable use of natural resources and regional development, Sweden: Alnarp, Malmö, Lund. Coordinator and inventor of the programme with eleven participating countries and twenty one universities
- 2011** **Ecocycles 1.** Erasmus Intensive Programme on sustainable use of natural resources and regional development, Hungary: Gyöngyös, Budapest, Veszprém, Balaton. Coordinator and inventor of the programme with eleven participating countries and twenty universities
- 2010** **Ecovitis II.** Erasmus Intensive Programme on sustainable viticulture and oenology, Italy: Piemonte (Torino), Toscana (Siena) and Marche (Ancona). Coordinator and inventor of the programme with six participating countries and eight universities
- 2008** **Ecovitis I.**, Erasmus Intensive Programme on sustainable viticulture and oenology, Italy: Udine and Torino. Coordinator and inventor of the programme with six participating countries and eight universities
- 2006 - 2007** Organization of joint Swedish – Hungarian education programme within viticulture and oenology between Karoly Róbert University College and University of Gothenburg

Research interests:

1. Ecological cycles in agriculture
2. Regional development based on ecological cycles
3. Micro-regional development
4. Sustainable waste management
5. Wine tourism and wine geography
6. Management of cultural landscapes
7. Environmental sociology

Memberships:

- 2013 - present** Secretary General of European Ecocycles Society
- 2011 - present** Member of the City Hungary Foundation's "Cities of Tomorrow" Jury
- 2010 – 2013** Member of the International Committee of the Hungarian Rectors' Conference
- 2000 – 2005** Institute of Management (IM), UK
- 1990 - 1998** European Union of Geosciences