

CURRICULUM VITAE

OF

DR. PATRICK MAWUENYEGAN NORSHIE

CURRENT POSITION

Lecturer,

Department of Horticulture and Crop Production,

School of Agriculture and Technology,

University of Energy and Natural Resources,

P. O. Box 214,

Sunyani,

Ghana.

CONTACTS

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EXPERTISE

Nematology and Plant Nematode Diseases; Plant Pathology; Environmental Toxicology; Environmental Analysis; Environmental Profiling of Pesticides; Field Experimentation; Data Management

EDUCATION AND QUALIFICATIONS

2010- 2014	Ph.D. (Nematology)	Harper Adams University, Newport-Shropshire, TF10 8NB, UK.
2007 – 2009	MSc. (Nematology)	University of Ghent, St. Pietersnieuwstraat 33, 9000 Gent, Belgium in collaboration with Plant Research International at Wageningen University and Research Centre in The Netherlands
1998 – 2002	BSc. (Hons) Agriculture	Kwame Nkrumah University of Science and Technology, Private Mailbag, Kumasi, Ghana.
1994-1996	SSCE Certificate	Mawuli School, P. O. Box 45, Ho.

OTHER CERTIFICATES

2011	National Proficiency Tests Council (NPTC) Level 2 Award in the Safe Use of Pesticides	City and Guilds NPTC, London, UK
2010	Control of Substances Hazardous to Health (COSHH) Awareness	Stowan Safety Ltd, Stoke-on-Trent, UK
2009	Certificate of participation. Introduction to R statistics	The C.T. de Wit Graduate School Production Ecology and Resources Conservation (PE & RC), Wageningen, The Netherlands.

GRANTS/SCHOLARSHIPS/AWARDS

2010 – 2014	Ph.D. Studentship	ADAMA Agricultural Solutions Ltd, Golan Street, Airport City, Golan Street,
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		7019900 Israel.
2007 – 2009	VLIR-UFO Scholarship to study for Master degree in Nematology at Ghent University, Belgium	VLIR-UFO Scholarship, Bolwerksquare 1a, 1050 Brussel – Belgium.
Award	Best Biology Student	Mawuli School, Ho.

THESES

2010 – 2014	Ph.D. Thesis	Evaluation of a novel nematicide for use in the management of the potato cyst nematode, <i>Globodera pallida</i>
2007 – 2009	MSc. Thesis	Estimation of partial resistance in potato genotypes against <i>Meloidogyne chitwoodi</i>
1998 – 2002	BSc. Project	Spacing effects of African marigold, <i>Tagetes erecta</i> , for management of the root-knot nematode, <i>Meloidogyne</i> species

EMPLOYMENT HISTORY

August 2015 – February 2018	Lecturer , Department of Agronomy and Rural Development, Faculty of Sustainable Agriculture, University College of Agriculture and Environmental Studies, P. O. Box 27 Bunso, Eastern Region.
September 2014 – August, 2015	Lecturer (Part-time) , Department of Agronomy and Rural Development, Faculty of Sustainable Agriculture, University College of Agriculture and Environmental Studies, P. O. Box 27 Bunso, Eastern Region, Ghana.
August, 2013 – February, 2014	Technical staff , Crop Environment Center at Harper Adams University, Newport Shropshire, UK.
August 2009 – January 2010	Assistant Research Officer , Biometrics unit of the Plant Sciences Group of Plant Research International at Wageningen University and Research Centre in The Netherlands.
June 2002-August, 2003	Assistant Agronomist (National Service) , Food Crops Development Project, Ministry of Food and Agriculture, Kumasi, Ghana

TEACHING EXPERIENCE, STUDENT SUPERVISION AND SERVICE TO UNIVERSITY

A. Teaching experience

February, 2018 till date University of Energy and Natural Resources, Sunyani, Ghana

Diploma	Level 200	DAGR 213: Introduction to Research Methods
Bachelor	Level 400	CROP 403: Introductory Plant Pathology CROP 402: Crop Disease Management
	Level 300	SOAT 305: Research Methods
Postgraduate	Level 700	CROP 732: Advanced Plant Pathology CROP 717: Molecular Plant Pathology AGR 730: Advanced Methods in Plant Pathology CROP 738: Plant Nematology and Nematode Diseases CROP 735: Seed Pathology AGR 708: Pesticide Science

September 2014 – August, 2015 (Full-Time): University of Agriculture and Environmental Studies, Bunso

Bachelor	Level 100	AGM 155 Principles of Crop Production AGM 151 Introduction to Soil Science SUA 155 Botany of Crop Plants AGM 351 Principles of Crop Pest and Disease Management
	Level 200	AGM 255 Introduction to Plant Pathology AGM 257 Principles of Plant Breeding SUA 255 Crop Physiology and Ecology AGM 252 Arable and Plantation Crop Production AGM 254 Soil Conservation and Fertility Management
	Level 300	GNS 351 Experimental Design and Analysis GNS 352 Research Methodology and Techniques ESM 352 Environmental Analysis I
	Level 400	ESM 455 Environmental Toxicology ESM 451 Environmental analysis II

September 2014 – August, 2015 (Part-Time): University of Agriculture and Environmental Studies, Bunso

Bachelor	Level 100	AGM 151 Introduction to Soil Science SUA 155 Botany of Crop Plants
	Level 300	GNS 351 Experimental Design and Analysis
	Level 400	ESM 455 Environmental Toxicology
Bachelor	Level 200	SUA 255 Crop Physiology and Ecology AGM 252 Arable and Plantation Crop Production

B. Student Supervision

Undergraduate (14)

Postgraduate (3)

C. Service to University

University of Energy and Natural Resources, Sunyani, Ghana

October 2019	Chief Invigilator, School of Agriculture and Technology
January 2019 – January, 2021	Postgraduate Coordinator, School of Agriculture and Technology
April 2018 – January, 2019	Examination Officer, Department of Horticulture and Crop Production
April, 2018 – January, 2019	Deputy Coordinator for Postgraduate Coordinator, Department of Horticulture and Crop Production

University of Agriculture and Environmental Studies (UCAES), Bunso, Eastern Region, Ghana.

July 2016 – February 2018	Coordinator, School of Allied Programmes, UCAES
November, 2015 – February 2018	Chief Invigilator, UCAES
January 2016 – February, 2018	Secretary to Board of School of Allied Programs, UCAES
April 2015 – February, 2018	Member- Disciplinary Committee, UCAES
September 2015 – February, 2018	Member- Board of School of Allied Programs, UCAES
October 2015 – February, 2018	Member, Admissions Committee, UCAES

Other:

Consultant: Development of Curricula for Diploma and Bachelor of Science in Agriculture for Social Change. Regentropfen College of Applied Sciences (ReCAS), Kansoe, P. O. Box 338 Bolgatanga, Upper East Region

JOURNAL REFEREEING:

Journal of Environment and Climate Change	07-10-2021- date
International Research Journal of Pure and Applied Chemistry	16 03-2021
Journal of Experimental Agriculture International	12-17, August 2020
Journal of Pure and Applied Chemistry	22-30 June 2020
Journal of Pest Science	29-07 2018

Journal of Agriculture and Crop Research	13-03-2018
Journal of Bioscience and Biotechnology Discovery	25/05/2018 – 06/06/2018
Cogent Food and Agriculture	13-20 May
Journal of Experimental Agriculture International	12/08/2020-12/09/2020
International Research Journal of Pure and Applied Chemistry	16/032021-20/03/2021

PUBLICATIONS:

1. A. Muntala, S. Kwadwo Gyasi, **P. Mawuenyegan Norshie**, S. Larbi-Koranteng, F. Kwekucher Ackah, D. Afreh Ntiamoah, and M. Atef Mohamed 2021. Diseases and Insect Pests associated with Cashew (*Anacardium occidentale* L.) Orchards in Ghana. *European Journal of Agriculture and Food Sciences* 3(5): 23-32. DOI: <http://dx.doi.org/10.24018/ejfood.2021.3.5.357>
2. Kwadwo Gyasi Santo, Daniel Afreh Ntiamoah, **Patrick Mawuenyegan Norshie**, Abdulai Muntala 2021. Growth and Yield Traits of Two Improved Cassava (*Manihot esculenta* Crantz) Cultivars under Poultry Manure and NPK Fertilizers. *Scholars Journal of Agriculture and Veterinary Sciences*, 2, pp.20-32. DOI:10.36347/sjavs.2021.v08i02.004
3. Abdulai, M., **Norshie, P.M.** and Santo, K.G., 2020. Incidence and severity of taro (*Colocasia esculenta* L.) blight disease caused by *Phytophthora colocasiae* in the Bono Region of Ghana. *SSRG International Journal of Agriculture & Environmental Science (SSRG-IJAES)*, 7, pp.52-63.
4. Muntala, A., **Norshie, P.M.**, Santo, K.G. and Saba, C.K.S., 2020. *Colletotrichum gloeosporioides* Species Complex: Pathogen Causing Anthracnose, Gummosis and Die-Back Diseases of Cashew (*Anacardium Occidentale* L.) In Ghana. *European Journal of Agriculture and Food Sciences*, 2(6).
5. Santo, K.G., Muntala, A. and **Norshie, P.M.**, 2020. Agro-Morphological Traits and Root Yield of an improved Cassava (*Manihot Esculenta* Crantz) Variety Under Nutrient-Applied Conditions in Offinso Municipality of Ghana. *European Journal of Agriculture and Food Sciences*, 2(3).
6. **Patrick M. Norshie**, Ivan G Grove and Matthew A Back (2018). Sorption of the nematicide fluensulfone in six UK arable soils – implications for control of the potato cyst nematode *Globodera pallida*. *Nematology*. 20 (2) 111 – 118. DOI: 0.1163/15685411-00003128
7. **Patrick M. Norshie**, Ivan G Grove and Matthew A Back (2017). Persistence of the nematicide fluensulfone in potato (*Solanum tuberosum* ssp. *tuberosum*) beds under field conditions. *Nematology*, 19(6): 739 – 747. DOI: 10.1163/15685411-00003085

8. **Patrick M. Norshie**, Ivan G Grove and Matthew A Back (2016). Field evaluation of the nematicide fluensulfone for control of the potato cyst nematode *Globodera pallida*. *Pest Management Science*. 72 (10): 2001–2007.
9. **Patrick M. Norshie**, Ivan G Grove and Matthew A Back (2014). Sorption of fluensulfone, a potential nematicide for control of the potato cyst nematode, *Globodera pallida*. *Journal of Nematology* 46(2): 213-213.
10. **Patrick M. Norshie**, Thomas H. Been and Corrie H. Schomaker (2011). Estimation of partial resistance in potato genotypes against *Meloidogyne chitwoodi*. *Nematology*, 13 (4): 477- 489. DOI:10.1163/138855410X528497
11. **Patrick M. Norshie**, Ivan G Grove and Matthew A Back An evaluation of a novel nematicide for the control of potato cyst nematodes. A study undertaken on behalf of Barrier Biotech Ltd, Norwich, Norfolk, UK. 12 pp. Harper Adams University, September, 2013.

SEMINAR/CONFERENCE PRESENTATIONS:

1. Sorption of fluensulfone, a potential nematicide for control of the potato cyst nematode, *Globodera pallida*. Oral presentation at the 6th International Congress of Cape Town, South Africa. May 2014.
2. Field evaluation of the efficacy of a novel nematicide for control of the potato cyst nematode, *Globodera pallida*. December, 2012 the Linnaean Society of London, Piccadilly, London, UK
3. Estimation of resistance in potato genotypes to *M. chitwoodi*. 30th International Symposium of the European Society of Nematologists, Vienna, Austria. September, 2010.

SKILLS:

- Microsoft Office Word, Excel, and Power-point.
- Proficient in data analysis and management using SPSS, GenStat, Sigma Plot, PRIMER.
- Basic knowledge in R-statistics
- Basic French (conversation and reading)
- Quantification of chemical compounds in soils using High Pressure Liquid Chromatography (HPLC)

CONFERENCES, SYMPOSIA AND WORKSHOPS:

- 5 – 10 May, 2014: 6th International Congress of Nematology Cape Town, South Africa.
- 11 December, 2012: Advances in Nematology, the Linnaean Society of London, Piccadilly, London, UK.
- 23 – 27 September, 2012: 31st International Symposium of the European Society of Nematologists, Adana, Turkey.
- 13 December, 2011: Advances in Nematology, the Linnaean Society of London, Piccadilly, London, UK.
- 14 December, 2010: Advances in Nematology, the Linnaean Society of London, Piccadilly, London, UK.

- 19 – 23 September, 2010: 30th International Symposium of the European Society of Nematologists, Vienna, Austria.
- 14 – 15 September, 2010: 3rd Symposium on Potato Cyst Nematodes, Harper Adams University, UK.
- 19 May, 2009: 61st international symposium on crop protection, Ghent, Belgium.
- 19 May, 2008: 60th international symposium on crop protection, Ghent, Belgium
- June 21 - 24, 2004: 1st International Symposium on Tomato Diseases and 19th Annual Tomato Disease Workshop Orlando, Florida,
- 4 - 8 August, 2008: 9th International Symposium on Orchard Systems, Rootstocks and Environmental Physiology, Geneva, NY, USA.