

Part A. PERSONAL INFORMATION		CV date	2 nd July 2020
First and Family name	Workineh, Abebe Zeleke		
Social Security, Passport, ID number	EP1075107	Age	49
Researcher numbers	Researcher ID		
	Orcid code		

A.1. Current position

Name of University/Institution	Ethiopian Institute of Agricultural Research		
Department	Agricultural Mechanization		
Address and Country	P.O. Box 2003, Addis Ababa		
Phone number	+251 949 346307	E-mail	workineh09@gmail.com
Current position	Researcher	From	April 2015 to date
Espec. cód. UNESCO			
Palabras clave			

A.2. Education

PhD	University	Year
Ph.D	University of Valladolid, Spain	2015
Master of Science	Haramaya University, Ethiopia	2006

A.3. JCR articles, h Index, thesis supervised...

Part B. CV SUMMARY (*max. 3500 characters, including spaces*)

SPECIAL TRAININGS

R&D in Agricultural Engineering Technologies. Training organized by Institute of Agric. Engineering, Agric. Research Org., Israel, 3rd Nov. to 26th Nov., 2009.

Innovation and R&D Management for Rural Technology. Course organized and managed by Ethiopian Science & Technology, Ethiopia, 22nd to 26th Mar, 2007.

Technology for Rural Development. Training organized by Ethiopian Society of Mechanical Engineers, Addis Ababa, Ethiopia, 2nd to 7th Aug., 2004.

Appropriate Mechanization and Water Management for Dryland Agriculture. Bogor Agricultural University, Bogor, Indonesia, 9th Feb to 20th Mar, 2004.

Planning Monitoring & Evaluation of Agricultural Research. Ethiopian Agricultural Research Organization, Ethiopia. 17th to 20st Jan., 2001.

OTHER SHORT TERM TRAININGS

Rheological characterization of food carbohydrate systems. Training organized by University of Valladolid, Departamento de Ingeniería Agrícola y Forestal, Palencia, 19th December, 2014.

La gestión de la seguridad alimentaria por las administraciones públicas. Training organized by University of Valladolid, Departamento de Ingeniería Agrícola y Forestal, Palencia, 20th March, 2013.

Agentes texturizantes en la industria agroalimentaria. Training organized by University of Valladolid, Departamento de Ingeniería Agrícola y Forestal, Palencia, 25-26th April, 2013.

FSTA en Plataforma OvidSP. Organized by Wolster Kluwer and University of Valladolid, 9 January 2014, Palencia Spain.

Part C. RELEVANT MERITS

C.1. Publications (including books)

Abstracts in Book of Abstracts

- Felicidad R., **Workineh A.**, David S. Sandra PQ. Concha C. 2015. Tef flour as an efficient ingredient in wheat-based breads: a physico-chemical, sensory and nutritional approach. Book of Abstracts of the ICC/AISTEC Conference “Grains for Feeding the World”, 1-3th July 2015, Milan, Italy.

- **Workineh A.**, Concha C. Sandra P.Q. Marina V. Felicidad R. 2015. Functional properties and starch enzymatic hydrolysis of tef [*Eragrostis tef* (Zucc.) Trotter] grain flours. Book of Abstracts of the ICC/AISTEC Conference “Grains for Feeding the World”, 1-3th July 2015, Milan, Italy.
- **Workineh A.** and Felicidad R. 2014. Gelling properties of three tef [*Eragrostis tef* (Zucc.) Trotter] varieties. Book of Abstracts of the 13th European Young Cereal Scientists and Technologists Workshop, 14-16th May 2014, Fresing, Germany. Cereal and Europe.
- **Workineh A.** Concha C. and Felicidad R. 2013. Pasting and Viscoelastic Properties of Tef Flours. Book of Abstracts of the EuroFoodChem XVII, held 07-10th May 2013 Istambul, Turkey. Hacettepe University, Food Engineering Department.

Articles in Proceedings

- Mohammed Y., Lamesgin Y. Tamerat K., Oli.L., and **Workineh A.** 2018. Evaluation of Proximate and Mineral Composition of Released Tef (*Eragrostistef*) Varieties in Ethiopia. A Paper Presented on the Completed Research Activities of the Agricultural laboratories and Nutritional Research Directorate, Ethiopian Institute of Agricultural Research Institute, Addis Ababa, Ethiopia.
- Felicidad R, **Workineh A.**, David S., Sandra P.Q., Concha C. 2015. Tef flour as an efficient ingredient in wheat-based breads: a physico-chemical, sensory and nutritional approach. A joint ICC/AISTEC Conference under the Them: Grains for Feeding the World, 1-3 July 2015, Milan Italy.
- Laike K., Kamil A. Abu T., **Workneeh A.**, and Oumer T. 2011. Review of agricultural mechanizati on research technologies in maize producti on in Ethiopia. In: Worku, M., Twumasi-Afriyie, S., Wolde, L., Tadesse, B., Demisie G., Bogale, G., Wegary, D. and Prasanna, B.M. (Eds.) Meeti ng the Challenges of Global Climate Change and Food Security through Innovati ve Maize Research. Proceedings of the Third National Maize Workshop of Ethiopia. Mexico, DF: CIMMYT.
- Frew K. and **Workineh A.** 2011. Land Forming Implements for Better Management of Highland Vertisol. A Paper Presented on the 2nd National Soil and Water Management Workshop. 27-29 January 2011, Addis Ababa, Ethiopia.
- **Workineh A.**, Amdom G. and Mengistu A. 2007. On-farm Draft Power Out Put of Camels in the Central Rift Valley of Ethiopia. In Friew K., Oumer T. and Gessesew L. (Eds.) Proceedings of the First National Agricultural Mechanization, Food Science and Postharvest Technonlogy Completed Research Forum. 5-7 June 2007, Addis Ababa, Ethiopia.
- **Workineh A.** and Seyoum W. 2007. Traditional Forage Chopping Practices in Ethiopia: Technical Constriants and Methods for Improvement. In Friew K., Oumer T. and Gessesew L. (Eds.) Proceedings of the First National Agricultural Mechanization, Food Science and Postharvest Technonlogy Completed Research Forum. 5-7 June 2007, Addis Ababa, Ethiopia.
- Seyoum W., **Workineh A.**, Leake K. and Friew K. 2006. The Role of Farm Implements in Bean Production. In Kemal A., Gemechu K., Seid A., Marlholtra, Rajendra, Beniwal, Surendro, Makkouk, Khaled and Halila, M.H. (Eds.). Food Legume and Forage Legumes of Ethiopia: Progresses and Prospects. Proceedings of the Workshop on Food and Forage Legume, 22-26 Sept. 2003, Addis Ababa, Ethiopia. ICARDA, Aleppo, Syria. 351pp.

Articles in refered journals

- Yoseph , A., Shimelis, E., Marina, V. **Workineh, A.** Felicidad, R. 2018. Influence of milling type on tef injera quality. Food Chemistry 266: 155–160.
- Yoseph , A., Shimelis, E., Marina, V. **Workineh, A.** Felicidad, R. 2018. The effect of mechanical kneading and absit preparation on tefinjera quality. African Journal of Food Sciences. Vol. 12(10) pp. 246-253, DOI: 10.5897/AJFS2018.1722.
- Tamirat, K., **Workineh, A.** and Paulos, G. 2018. The Effect of Blending Ratio of Durum Wheat, Tef [*EragrostisTef* (Zucc) Trotter] and Chickpea on Nutritional Composition and Sensory Attributes of Macaroni. Vol. 6(7): 1-10 DOI: 10.14662/ARJASR2018.072.
- **Workineh, A.** 2017. Optimum disc type and operating speed of a pneumatic precision planter for acala type cotton planting. Ethiopian Journal of Sciences and Sustainable Development 4:2, 87-97.
- Felicidad R., **Workineh A.**, Sandra P.Q., Concha C. 2015. Suitability of tef varieties in mixed wheat flour bread matrices: a physico-chemical and nutritional approach. Journal of Cereal Science.

- **Workineh A.**, Felicidad R., Marina V., Concha C. 2015. Effect of tef [*Eragrostis tef* (Zucc.) Trotter] grain flour addition on viscoelastic properties and stickiness of wheat dough matrices and bread loaf volume. *European Food Research and Technology*. DOI 10.1007/s00217-015-2476-0.
- **Workineh A.**, Ronda, F., 2015. Flowability, moisture sorption and thermal properties of [*Eragrostis tef* (Zucc.) Trotter] grain flours. *Journal of Cereal Science* 63, 14–20.
- **Workineh A.**, Concha C. and Felicidad R. 2015. Impact of Variety Type and Particle Size Distribution on Starch Enzymatic Hydrolysis and Functional Properties of Tef Flours. *Carbohydrate Polymers* 115, 260–268.
- **Workineh A.** and Felicidad R. 2014. Rheological and Textural Properties of Tef [*Eragrostis tef* (Zucc.) Trotter] Grain Flour Gels. *Journal of Cereal Science*, 60, 122-130.
- **Workineh A.** 2013. Investing on Agricultural Mechanization: A Means to Realize the Crop Production Target in the Growth and Transformation Plan (GTP) of Ethiopia. *Ethiopian Journal of crop Sciences*, 3:1, 1-12.
- **Workineh A.**, Geremew B. and Fekadu L. 2011. Flour Starch Properties of of Six Ethiopian Durum Wheat (*Triticum turgidum*) Varieties Grown at Debrezeit, Ethiopia. *East African Journal of Applied Sciences and Technology*, 2:1.
- **Workineh A.**, Geremew B. and Fekadu L. 2008. Physicochemical and Rheological Properties of Six Ethiopian Durum Wheat (*Triticum turgidum*) Varieties Grown at Debrezeit Suitable for Pasta Making. *Journal of Food Science and Technology*, 45:3.

C.2. Research projects and grants

GRANTS

Name of the grant: Beca MEC-AECID. Ministerio de Asuntos Exteriores y de Cooperación (1-10-2011 al 30-09-2020). Resolución del 10 de Diciembre de 2010 de la Presidencia de AECID (BOE 27 de Diciembre de 2010)

Awarding entity: Asociación Española de Cooperación Internacional para el Desarrollo

Conferral date: 01/10/2011

End date: 30/09/2014

Entity where activity was carried out: University of Valladolid

Name of the grant: Fondo de Cooperación Internacional para el Desarrollo de la Universidad de Valladolid. Programa 1: Proyecto de Cooperación Universitaria al Desarrollo

Awarding entity: Universidad de Valladolid

Conferral date: 03/09/2014

End date: 31/03/2015

Entity where activity was carried out: University of Valladolid

RESEARCH PROYECTS (R&D projects funded through competitive calls of public or private entities)

Name of the project: Ref: AGL2012-35088. MEJORA NUTRICIONAL Y FUNCIONAL DE PANES SIN GLUTEN: ADICIÓN DE BETAGLUCANOS DE DIFERENTES ORÍGENES Y PESOS MOLECULARES ATENDIENDO A LAS DECLARACIONES DE SALUD APROBADAS POR EFSA.

Name principal investigator: Felicidad Ronda Balbás

Entity where project took place: Universidad de Valladolid

City of entity: Palencia, España

Funding entity or bodies: Ministerio de Economía y Competitividad

Start-End date: 01/01/2013 - 31/12/2015

Total amount: 76.050

Type of participation: Personal Investigador en Formación

Geographical area: Nacional

C.3. Other achievements

PROFESSIONAL EXPERIENCE

April 2015- To date. Researcher II Agricultural Mechanization Research Directorate- Ethiopian Institute of Agricultural Research

2008 - Sept. 2011 Director, Agricultural Mechanization Research Directorate- Ethiopian Institute of Agricultural Research

2006 - 2008 Research Staff- Ethiopian Agric. Research Institute

- Research in the National Agricultural Mechanization, Food Science and Postharvest Technology Research Department

2002 - 2004 Ethiopian Agric. Research Institute- Department Coordinator

- Research in the Agricultural Mechanization, Food Science and Postharvest Technology Department.

2001 - 2002 Ethiopian Agric. Research Institute- Research Staff

- Research in the Agricultural Mechanization, Food Science and Postharvest Technology Department.

1998-2001 Elfora Agro-Industries Private Ltd. Company - Expert

- Processing livestock products and horticultural crops both for local and export market.

1992-1998 Ethiopian Livestock Development and Meat Processing Corporation- Junior expert and Ag. Engineer

RESEARCH AND TEACHING

- Nutritional and Functional Improvement of Gluten Free Breads: Addition of B-glucans with Different Molecular Weights and from Different Origins According to the Health Claims Approved for EFSA. Participating since 01, January 2013.
- Conducting research projects related to plant and animal materials harvesting, handling and processing, and in agricultural machinery with animate and inanimate power sources. Collaborating with Governmental and Non-governmental Organizations, International Agricultural Research Centers, International organizations in Ethiopia.
- Promoting postharvest handling and processing technologies for adoption by farmers and entrepreneurs.
- Offering postharvest handling and processing trainings for rural and urban development agents, regional agricultural bureau experts.
- Advising under graduate students.

Courses taught (Adama University, Ethiopia)

- Engineering properties of Agricultural Products
- Agricultural processing Engineering

OTHER ACTIVITIES AND MEMBERSHIP OF SCIENTIFIC SOCIETY

- Aug., 2010 - Sept., 2011 Management Board Member for Coffee Processing and Warehouse Enterprise (the biggest export coffee processing plant in Ethiopia)
- December 2014 - to date, Member Asociación de Científicos y Tecnólogos de Alimentos de Castilla y León.