



Ref. No. 2773/3069/2021

November 25, 2021



3069

TO WHOM IT MAY CONCERN

Dr. Zemelak Sahle Goraga, who was a staff member of our Institute, has requested a testimonial letter of his services and work experiences.

This is, therefore, to certify that he has been rendering his services at Debrezeit Agricultural Research Center of Ethiopian Institute of Agricultural Research as-

- **Junior Researcher I**, From, January 10, 2002 to January 08, 2003,
 - **Junior Researcher II**, From January 09, 2003 to October 10, 2005,
 - **Assistant Researcher II**, From October 11 2005 to October 10, 2007,
 - **Assistant Researcher III**, From October 12, 2007 to November 19, 2007,
 - **Assistant Researcher III**, January 02, 2013 to November 09, 2014,
 - **Associate Researcher II**, From November 10, 2014 to November 09, 2016,
 - **Researcher I**, From November 10, 2016 to March 21, 2017,
 - **Senior Researcher**, From October 20, 2017 to November 18, 2021,
- Total Service Years in Our Institute is 13 years and 10 Months.**

Dr. Zemelak Sahle Goraga is cleared from any property and financial debts. He was earning a monthly salary of Eth. Birr **19,252.00 (Nineteen Thousands Two Hundred Fifty Two Birr)** and he has been paying the necessary income tax and pension from his salary while he was working in the Institute.



With regards


Dejen Tilahun Gebretsadik
 Coordinator, Employment,
 Promotion & Transfer Team



Date: - 29th November 2021

To Whom It May Concern

Subject: Recommendation letter

Dear Sir / Madam,

Dr. Zemelak Sahle Goraga who was an employee of the Ethiopian Institute of Agricultural Research (EIAR) and a staff of Debre Zeit Agricultural Research Center (DZARC) which is one of the federal research centers of EIAR, requested me to provide him letter of support for his new job application in USA. I am the director of the livestock research directorate at EIAR and I know him as a Senior Researcher in the livestock research process of the institute. Zemelak was employed at EIAR in January 10, 2002 and served at DZARC at various research positions from the date of his employment until he left the institute on 18th Nov. 2021.

Zemelak has several years of research experiences and very good understanding of the research system. He is skilled in formulating research strategies, identifying research problems, developing research projects, design research experiments, implementing research activities, collecting research data, analyzing the data using advanced statistical tools and publishing research findings in scientific journals as well as presenting the findings in scientific forums. Furthermore, he has accumulated experiences in leading research projects and programs, preparing budget and action plans for approved research activities, and organizing training programs, as well as seminars and workshops. So far, he has published several journals and e-Books, and won several research grants during his service tenure in the institute.

Zemelak is successful in teamwork, act independently and hold responsibilities. He has strong linkage with national and international scientific communities.

Therefore, this is to strongly support his new job applications in USA and wish him success in his future career:

Sincerely,

Fekede Feylssa (PhD)
Livestock Research
Director





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Ref. No. 06/AT/6/1/164

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Date 25/11/2021

To Whom It May Concern

Dr. Zemelak Sahle Goraga requested to get professional competence on the areas of Senior Researcher and Data Analyst to provide a consultancy and training services.

Therefore, Dr. Zemelak Sahle Goraga has the capacity, skill and knowledge in the requested areas and given this letter of recognition to provide a consultancy and training services in the Senior Researcher and Data Analyst for only one year.



Best Regards,

Zena Habtewold
Director, Planning, Monitoring
and Evaluation Directorate



**Recommendation letter for
Dr. Zemelak Sahle Goraga**

**Landwirtschaftlich-
Gärtnerische
Fakultät**

Institut für
Nutztierwissenschaften

Fachgebiet Züchtungsbiologie und
Molekulare Genetik

Prof. Dr. Gudrun A. Brockmann
Fachgebietsleiterin

Datum:
22. November 2019

Dear colleague,

I am pleased to write this letter in support of Dr. Zemelak Sahle Goraga's application for the open position. I am Full Professor for Breeding Biology and Molecular Genetics at Humboldt-Universität zu Berlin, Germany. I know Zemelak from his work as a Ph.D. student in my group. During his Ph.D. study period from 2008 to 2011, I have been supervising his work in the area of animal breeding and genetics. During this time, he has been very successful.

Postanschrift:
Humboldt-Universität zu Berlin
Unter den Linden 6
10099 Berlin
Telefon +49 [30] 2093-6089
Telefax +49 [30] 2093-6397

gudrun.brockmann@agrar.hu-berlin.de

The theme of Zemelak's doctoral theses was "Mapping of quantitative trait loci (QTL) in a cross-bred chicken population and analysis of genetic diversity of Ethiopian local chicken ecotypes". The major objectives of his project were to identify chromosomal regions responsible for egg production traits in extreme chicken inbred lines and to assess the genetic diversity and population structure of Ethiopian native chickens. The cross-bred population was generated in my group. Zemelak characterized the parental chicken strains, genotyped the cross-bred population and analyzed the data. As Zemelak is native Ethiopian, he went home for a field trip and collected blood from chicken of different ecotypes, which he characterized with genetic markers and analyzed the diversity.

Sitz:
Invalidenstr. 42, Ostbau
10115 Berlin

Zemelak has written three scientific articles about the results obtained during his Ph.D. work. The first paper "Phenotypic characterization of chicken inbred lines that differ extremely in growth, body composition and egg production traits" was published in 2010 (Goraga Z. Nassar M, Schramm GP, Brockmann GA (2010) Archiv

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Berliner Bank
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Konto 438 8888 700

Tierzucht 53:337-349). Two additional papers were published in the Journal of Animal Genetics in 2011. One paper presents the results of the study of the genetic diversity and population structure of five Ethiopian chicken ecotypes and the other paper presents quantitative trait loci for egg production traits segregating in crosses between New Hampshire and White Leghorn chicken lines. He is co-author of two additional papers on QTL mapping.

Zemelak defended very successfully his thesis on 15th June 2011. Afterwards, he went back to Ethiopia and joined the Ethiopian Institute of Agricultural Research to work as a senior livestock researcher. Now he is looking for an open position and for this, he asked me for this letter of recommendation.

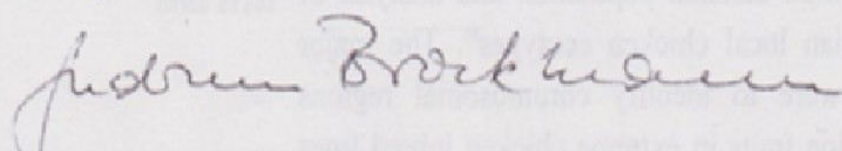
Zemelak did his M.Sc. study in Wageningen University, the Netherlands, in the field of animal breeding and genetics. His M.Sc. thesis was on "Fine mapping of a chicken QTL for fatness on chromosome 1". During his Ph.D. and M.Sc. studies, he acquainted with several laboratory methods and techniques used in molecular biology as well as methods in quantitative genetics and genomics. Besides his academic accomplishments, he worked in various positions as livestock research at the Ethiopian Institute of Agricultural Research (EIAR). During his Ph.D. study, he used his experience with the chicken genome, laboratory techniques, and statistical analyses very successfully.

Zemelak is a friendly person, creative with own ideas and highly motivated. He works hard and aim oriented, which is the basis of his success.

Zemelak's academic background and research experience should provide him with all the skills and vigour to successfully accomplish duties in various scientific and development positions.

Therefore, I strongly recommend Zemelak to any relevant position. I wish him success in his life and work.

Sincerely,



Gudrun A. Brockmann, PhD
Professor for Breeding Biology and Molecular Genetics

Ref. Nº 04/2019 – P & D

Teresina, December, 2 / 2019

TO WHOM IT MAY CONCERN

Dear Sir/Madam,

Dr. Zemelak Sahle Goraga who is an Ethiopian and our previous project partner in Ethiopia asked me to provide him letter of recommendation for his job application at your institute.

I worked with Zemelak on a bilateral project titled "Initiating data recording system at Ethiopian dairy farmers' level and improving farm data management" which was funded by the African-Brazil Agricultural Innovation MKTPlace program in Brazil and implemented between the Ethiopian Institute of Agricultural Research (EIAR) and Embrapa Mid-North in Brazil. I was the project coordinator in Brazil and Zemelak was the project principal investigator in Ethiopia. The project was funded in 2014 and implemented for three successive years. To meet the project goals, Zemelak and his research team in Ethiopia had conducted a national survey on dairy cattle production systems in Ethiopia. They had analyzed the data, submitted final report on the project outputs to the funding organization, and presented research findings in scientific forums.

Furthermore, there were experience sharing visits and scientific forums performed by the Ethiopian and Brazilian partners to achieve the set goals of the project. Zemelak attended the workshop which was organized in 2015 by the MKTPlace in Brazil and presented the project activities. Interestingly, the project opened an opportunity for future introduction and adoption of the Brazilian high milking dairy cattle breed (Gir Leiteiro) in Ethiopia targeting dairy production in heat stress Zones (lowlands).

As the Brazilian co-leader of the project, I had very successful time with him and his research team in Ethiopia. Zemelak could successfully fulfilled his duties and responsibilities as Ethiopian coordinator of the project. He was very active in day to day correspondence and submitting reports timely. I found him hard working and goal oriented.

So, I can witness that he can successfully handle duties and responsibilities at various academic and development positions. Therefore, this is to strongly recommend his application to the vacant position at your institute. Finally, I wish him success and better future.

Sincerely,



Geraldo M. Côrtes Carvalho
PESQUISADOR - EMBRAPA
RA 315983

Geraldo Magela Côrtes Carvalho

Brazilian co-leader of the projects / EMBRAPA Mid-North

Ministério da Agricultura, Pecuária e Abastecimento
Empresa Brasileira de Pesquisa Agropecuária
Centro de Pesquisa Agropecuária do Meio-Norte
Av. Duque de Caxias, 5650, Bairro Buenos Aires
CEP 64006-220, Teresina-PI

Telefone: (86) 3089-9100
Fax: (86) 3089-9130
www.cpamn.embrapa.br