



Curriculum vitae

Personal Data

Name Ajay Dhungana
Address Theodor Heuss Strasse 11
37075 Gottingen, Germany
Tel. 4915730747067
Email address ajaydhungana0@gmail.com
Skype ajay2083
Date of Birth 20.05.1994

Education and Academics

- August 2019 Completion of Post-Graduation (M.Sc. Degree) in Integrated Plant and Animal Breeding from Georg-August University Germany
- July - September 2018 3 month internship in KWS Lochow GmbH. for assessment on hybrid rye resistance against Ergot (Claviceps Purpurea) in Bergen , Germany
- April, 2017- July 2019 Deutschland Stipendium for Master Student in Integrated Plant And Animal breeding (IPAB), M.Sc. ag., University of Gottingen, Germany
- 2016-2017 Worked as Agriculture teacher in Government / Public school for teaching technical agriculture subject in Rural Nepal
- Jan 2012- July 2016 Full state scholarship for Admission and Graduated from Institute of Agriculture and Animal Science (IAAS), Tribhuvan University, Rupandehi, Nepal
Bachelor of Science in Agriculture (B.Sc.Ag)
B.Sc. Thesis: Variability, Co-relation and path coefficient analysis of Yield attributing traits in different genotypes of Rice in Rupandehi, Nepal
- 2000-2012 Completed High School

Work experience

- April-July 2016 Volunteer research assistant at National Rice Research program (NRRP) Janakpur, Nepal
- Sept 2018 - July2019 Worked as student assistant ship under Professor W. Link in Faba bean group in both Green house and field
Gottingen, Germany

July 2017- April 2018 International Student Spokesperson for new students for Integrated Plant and Animal breeding (IPAB) at Gottingen university

Knowledge & skills

Languages English (Fluent in writing and spoken) (IELTS certificate).

German (Good) still learning

Nepalese (Mother tongue)

Hindi (Fluent in writing and spoken)

Computer Skills Microsoft Office (Word, Excel)

Tassel 3.0, Linux

Adobe Photoshop

Programming Skills R.-Studio

Python

SPSS

PLABSTAT

Special Interests

Travelling, Reading Science magazines, journals , Climate enthusiast, Biodiversity conservation, Social workers, Debates and Speech program, playing Football and photography

CERTIFICATE

The Georg-August-Universität Göttingen
Faculty of Agricultural Sciences
hereby certifies that

Mr Ajay Dhungana

born on the 20th May 1994 in Rupandehi, Nepal
is awarded the degree of

Master of Science

(M.Sc.)

in

Integrated Plant and Animal Breeding

upon successful completion of the requirements of that degree
on the 28th June 2019

pursuant to the examination regulations of the 7th September 2018.

Göttingen, 9th August 2019



Prof. Dr. Henner Simianer
Dean

Prof. Dr. Oliver Mußhoff
Chair of the Examination Board



TRANSCRIPT OF RECORDS

Mr Ajay Dhungana

born on the 20th May 1994 in Rupandehi, Nepal,
passed the **Master's examination in Integrated Plant and Animal Breeding**
of the Faculty of Agricultural Sciences

on the 28th June 2019 pursuant to the examination regulations of the 7th September 2018.
He achieved the following grades:

Module/Subject	Credits	Grade
Compulsory and mandatory modules		
Agrobiodiversity and plant genetic resources in the tropics	6	2.3
Biotechnology and molecular genetics in plant and animal breeding	6	2.7
Breeding schemes and programs in plant and animal breeding	6	2.7
Environmental impact of genetically modified plant	3	2.0
Internship	9	1.3
Journal Club: Key papers in animal and plant breeding	6	2.7
Quantitative genetics and population genetics	6	3.7
Seed marketing	6	2.3
Selection theory, design and optimisation of breeding programs	6	3.3
Statistical genetics, breeding informatics and experimental design	6	1.7
Elective Modules		
Aquaculture in the tropics and subtropics	6	1.0
Biotechnological applications in plant breeding	6	2.3
Epidemiology of international and tropical animal infectious diseases	6	1.3
Global change and soil fertility	3	1.3
International and tropical food microbiology and hygiene	6	1.7
Legal issues in plant and animal breeding	3	1.0
Voluntary Additional Modules		
German Introduction Course 1 - A1.1	6	4.0
German Introduction Course 2 - A1.2	6	2.0
Master's Thesis	30	2.2

"Genome-wide (GWAS) and guided association study to analyze the genetic variation of Asochyta Blight resistance in German winter types of *Vicia faba* L."

Overall grade of Master's examination: good (2.1)

Göttingen, 9th August 2019

Prof. Dr. Oliver Mußhoff
Chair of the Examination Board

A scan of the signed documents is available at
verify.uni-goettingen.de/en/8VL27AKGT5Q2
with the password **ERL3PD**





To whom it may concern

Statement on behalf of Mr. Ajay Dhungana

Friday, July 26, 2019

Ajay Dhungana is known to me as Master student; he successfully conducted his experiment and wrote his thesis at our Division (Plant Breeding Methodology) here at Göttingen, Germany. He worked in a project with my PhD student Rabia Faridi, they cooperated with the Phytopathology Division team at our Department. This Master Thesis was submitted and the Exam Colloquium was held in June 2019. The topic was

„Genome-wide (GWAS) and guided association study to analyze the genetic variation of Ascochyta Blight resistance in German winter types of *Vicia faba* L.“

Faba bean (*Vicia faba* L.) is a pulse crop (grain legume) of the Old World. This plant is grown in the temperate and semi-arid climates (examples are China, Australia, UK, Maghreb, Egypt, Ethiopia, Ecuador, and Bolivia). Mature and immature seeds are used for human consumption and as feed stuff. Seed contain about 30% of protein; this fact, together with the marked symbiotic performance when accumulating organic N derived from air shows the high ecological and economic potential of this domestic plant species.

To increase and stabilize grain yield of faba bean, resistance and tolerance against biotic and abiotic stress factors should be increased. Breeding is a promising tool to do so. Mr. Ajay Dhungana worked in this large phenotyping project. A high number of faba bean lines were assessed for symptoms after inoculation with Ascochyta faba spores, which cause an important fungal disease in this crop: Ascochyta blight. The resulting data was fed into an existing pipeline of analysis of variance and genetic (marker-based) association study. Mr. Dhungana learnt to assess the disease symptoms, organize the data, analyse the data with different software packages (PLABSTAT, TASSEL) and to interpret and discuss the findings.

Mr. Dhungana was a very good student, kind, trust-worthy, open, and agreeable. He showed a very high adaptability and flexibility throughout. During his Master Thesis, he showed very good success. His commitment is very high; and I would not expect any negative surprise as to his creativity and his originality. He worked as independent as we could expect this from a student of his peer group. His communications skill here in Germany (English) were without problems, neither for the day-to-day nor for scientific communications.

I am confident, I have no doubt that Mr. Ajay Dhungana is best prepared to enter a next step of academic and scientific research and career. My team and I, we wish the best for him and are eager to hear from and follow his professional development.

26 July 2019

apl. Prof. Dr. Wolfgang Link

Department für

Nutzpflanzenwissenschaften

Abteilung Pflanzenzüchtung

Von-Siebold-Str. 8

37075 Göttingen

apl. Prof. Dr. Wolfgang Link

Bergen on September 28, 2018

Internship Certificate

Mr Ajay Dhungana, born on May 20, 1994, completed an internship with our company from July 2, 2018, until September 28, 2018; during this time, he worked in the field of cereals breeding.

KWS LOCHOW GMBH is an internationally active company in the seed section and represents – as a 100% subsidiary of KWS SAAT SE – all activities of the business unit Cereals within a global network of own companies, co-operations and representations. Our range of activities include breeding, reproduction, production and marketing of high-yielding, resistant cereals and crop varieties.

During his internship Mr Dhungana assisted in in the following activities:

- Trait scoring
- Harvesting yield plots and single plants
- Crop conditioning: Weighing and sorting
- Setting selfing bags for sugarbeet in the greenhouse
- Sowing of trial seeds
- Assessment of ergot resistance in rye

Within a very short time, Mr Dhungana acquired a good expertise and was always able to put it into practice successfully. During the complete internship period, he displayed a markedly good willingness to learn and was interested in new knowledge. Together with other interns and trainees he attended our internal training lessons dealing with subjects of the plant-breeding practice and

KWS LOCHOW GMBH	Address	Managing Director	Company Headquarters
	Ferdinand-von-Lochow-Str. 5 29303 Bergen Germany	Jürgen Leitzke	Bergen
	Contact		Registry Court
	Phone +49 5051 477-0 Fax +49 5051 477-165 getreide@kws.com www.kws.com		Lüneburg HRB 100038
		VAT-ID-No. DE 811 186 239	

the management of breeding companies; doing so he could extend his good technical knowledge even further. He had a good perceptive faculty which enabled him to grasp even very complex topics within a very short time.

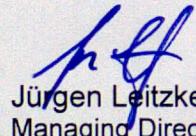
At any time Mr Dhungana showed a high degree of personal initiative and completely identified with his tasks and our company. He carried out his duties with a high degree of judiciousness and responsibility. Without exception he performed his duties in an extremely reliable way, and he convinced us by the very high quality of his work results. He proved to be extraordinarily resilient even in situations of a high amount of work and under time pressure.

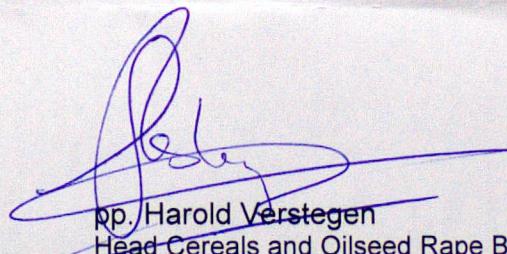
The performance shown by Mr Dhungana during his internship period always gained our full recognition in every respect.

He was highly appreciated by all sides for his always friendly disposition. At any time, he was co-operative and courteous. His behavior towards superiors, colleagues and other interns always was exemplary.

We thank Mr Dhungana for his very good and pleasant collaboration and co-operation. We wish him success and all the best for his professional and personal future.

KWS LOCHOW GMBH


Jürgen Leitzke
Managing Director


Dr. Harold Verstegen
Head Cereals and Oilseed Rape Breeding



Test Report Form

ACADEMIC

NOTE

Admission to undergraduate and post graduate courses should be based on the ACADEMIC Reading and Writing Modules.
GENERAL TRAINING Reading and Writing Modules are **not** designed to test the full range of language skills required for academic purposes.

It is recommended that the candidate's language ability as indicated in this Test Report Form be re-assessed after two years from the date of the test.

Centre Number

DE708

Date

11/JUL/2020

Candidate Number

001034

Candidate Details

Family Name

DHUNGANA

First Name

AJAY

Candidate ID

09368403



Date of Birth

20/05/1994

Sex (M/F)

M

Scheme Code

Private Candidate

Country or Region of Origin

Country of Nationality

First Language

NEPAL

NEPALI

Test Results

Listening

6.5

Reading

7.0

Writing

6.0

Speaking

6.0

Overall Band Score

6.5

CEFR Level

B2

Administrator Comments

(Large empty box for administrator comments)

Centre stamp

British Council
Alexanderplatz 1
10178 Berlin
Germany

Validation stamp



Administrator's Signature

Date

23/07/2020

Test Report Form Number

20DE001034DHUA708A



Cambridge Assessment
English