

Statement Of Purpose

I am writing to express my interest in the MSc in Integrated Plant and Animal Breeding program at the University of Göttingen for a bright future in the agriculture field. Before my UG, I completed higher secondary education in Computer Science at Mar Kauma Higher Secondary School, Vengoor. Being hailed from the land of greenery, where farming is not just for livelihood rather it is a part of our culture, farming and agriculture has been in my head since childhood. This passion led me **Arun Thannikottu Kuriakose** to pursue a Bachelor of Science in Poultry Science at the renowned Kerala Veterinary and Animal Science University, Kerala, India, where I gained a solid foundation in livestock and related principles.

During my undergraduate studies, I learned the significant aspects of sustainable livestock practices, methods to increase animal productivity, and farming practices that minimize environmental impact. The theoretical knowledge about applied avian anatomy and psychology, poultry business management, and poultry processing and product technology helped me understand the interwoven arena of animal breeding and connected practices. I could understand the base theories of poultry waste management in association with technologies since this field is being technologically revolutionized. Our group studies and communication with professors gave me insights into the threats, possibilities, and future of livestock in this modern world.

I want to expand my knowledge realm to understand the complex challenges faced by modern agriculture and animal breeding, such as climate change, food systems, and sustainable farming practices. An MSc in Integrated Plant and Animal Breeding will equip me with the scientific and technical expertise required to develop innovative solutions to increase productivity and sustainability. I am eager to delve deeper into the genetic breeding methodologies that can improve both plant and animal species, ultimately benefiting a good global food system.

Moreover, higher education will allow me to engage in cutting-edge research and gain hands-on experience with the latest technologies and techniques in plant and animal breeding. Choosing an M.Sc in Plant and Animal Breeding is a natural progression of my academic and career interests. This program offers a unique interdisciplinary approach, combining the principles of genetics, biotechnology, and breeding to address agricultural challenges. By focusing both on plant and animal breeding, I can gain a comprehensive understanding of the synergies between these systems, which is crucial for developing integrated and sustainable agricultural practices. The knowledge and skills gained from this program will empower me to make meaningful contributions to the field, from improving crop yields to enhancing livestock health and productivity.

Germany is renowned for its exciting excellence in higher education and research, particularly in agricultural science. The country's strong significance in innovation, sustainability, and technology in agriculture makes it an ideal destination for chasing advanced studies in this field. Germany's commitment to research and development, coupled with its state-of-the-art facilities and resources, provides an optimal environment for academic growth and discovery. Additionally, the country promises a friendly approach to international students, ensuring a safe stay and educational support from the community.

Furthermore, Germany promises a collaborative approach to research, involving partnerships between universities, research institutions, and industry, to ensure that academic work has practical applications in real-world impact. The opportunity to learn from distinguished professors and collaborate with a diverse cohort of international students will enrich my academic experience and broaden my global perspective.

I have chosen Georg-August-Universität Göttingen for its outstanding reputation in agricultural sciences and its exclusive Integrated Plant and Animal Breeding program. Georg-August-Universität Göttingen offers access to world-class research facilities, exclusive fieldwork opportunities, and partnerships with leading agricultural forums, which are critical factors for gaining hands-on experience and conducting impactful research.

Modules such as Quantitative genetics and population genetics, Statistical genetics, breeding informatics and experimental design, and Biotechnology and forest genetics are what I strive to earn and learn more. The program's curriculum, which integrates theoretical classes with practical knowledge, will help me improve my experience in this field and prepare me for a successful career in agriculture research and development. The University's commitment towards sustainable and innovative agriculture resonates perfectly with my career goal of creating sustainable solutions for the global food system.

The university has an international reputation with a historical legacy and world-renowned alumni. Located in the heart, the university updates the infrastructure every year by the choices of international students as well. My research about the Georg-August-Universität Göttingen was positive and naturally, I selected it as I need the best in the world.

After coming back to India, I am determined to use my knowledge to benefit my country. Given the pressing issues of climate change and agriculture growth in India, I can make a significant impact by applying the expertise I gained in Germany. I am focused on a business plan that involves cultivating vegetables and animal breeding, which will provide a source of income for both myself and the local

community. By establishing a farm that employs rural workers, I can support economy and offer job opportunities to those around me. Additionally, I plan to educate younger generation about agricultural principles by involving them in my farm operations. My goal is to enhance India's agricultural sector with advanced technology and practical knowledge. I believe that pursuing an MSc in Integrated Plant and Animal Breeding at Georg-August-Universität Göttingen will be a pivotal step in achieving these aspirations.

In conclusion, I am confident that the MSc in Integrated Plant and Animal Breeding at Georg-August-Universität Göttingen will provide the paradigm to achieve my goals. I am excited about the opportunity to contribute to the progression of agricultural practices through innovative research and sustainable solutions.

Yours Faithfully,
Arun Thannikottu Kuriakose.