



CONFIRMATION OF STAY

(Potwierdzenie pobytu)

NAME OF THE TRAINEE (imię i nazwisko stażysty)	Name: Karwan Yaseen	Surname: Kareem
Dates of the internship (daty stażu)	From: 17.01.2022	To: 16.01.2023
Position (stanowisko)	Associate professor Doktor	
PROGRAM (if concern) (nazwa programu, jeśli dotyczy)	Not concern	
RECEIVING INSTITUTION (uczelnia przyjmująca)	Warsaw University of Life Sciences - SGGW	
SENDING INSTITUTION (uczelnia wysyłająca)	College of Agriculture Engineering Science Salahaddin University- Erbil- Kurdistan Region	

Assoc. Prof. Dr Karwan Y. Kareem activities from postdoc:


- **February - June 2022** - research "Music effect of relaxation music on production parameters of broiler chickens"
 - assistance in assembling the experimental equipment,
 - dissection,
 - physical and chemical analysis.
- **4 March 2022** - trip to the PIAST PASZE feed factory in Lewkowiec + short practice in the field of feed production.
- **23 March 2022** - assistance in the laboratory as part of the project "Comprehensive service for the substantive part of the works related to the development of an innovative milk fraud system called Milk Fraud Analyzer (MFA) based on artificial intelligence techniques" (Department of Animal Breeding, Institute of Animal Sciences, Warsaw University of Life Science).
- **1 April 2022** - trip to the Horse Stud in Janów Podlaski Sp. z o. o. during which it was possible to gain knowledge in the field of horse riding and horse breeding.
- Publish paper under title: **Using Milk Thistle (*Silybum marianum*) Extract to Improve the Welfare, Growth Performance and Meat Quality of Broiler Chicken**
- **May 2022** - Presenting lectures to master students in animal science department at Warsaw University of Life Science:

- Effect of natural additives on performance, gut morphology and gene expression of broiler chickens.
- Antibiotics and human health.
- Differences between faster and slower growing chickens.
- **11 May 2022** - Scientific Committee the 1st International Scientific Conference for Students "Animal Science and Aquaculture - challenges and research"
- **11 May 2022** - Moderator of the interdisciplinary section during the 1st International Scientific Conference for Students "Animal Science and Aquaculture - challenges and research".
- **21 - 22 May 2022** - participation in the Days of the Warsaw University of Life Sciences - the stand of the Scientific Association of Farm Animal Breeders of the Warsaw University of Life Sciences.
- **May 2022** - Helping *in-vitro* work about using crude fibre concentrate ARBOCEL[®] in the growth stimulation of selected probiotic microorganisms (Department of Animal Breeding, Institute of Animal Sciences, Warsaw University of Life Science).
- **21 - 23 September 2022** - Participated as presenter in LXXXVI Jubilee Scientific Congress of PTZ (Polish Society of Animal Production) "Animal breeding and breeding in Poland - from tradition to modernity - 100 years of PTZ (Polish Society of Animal Production)".
- **January 2023** - Preparing review paper under title: "**Natural Feed Additive (Postbiotics) for Performance, Gut Microbiota and Quality Poultry Products**".

23.01.2023 

 (date and signature of internship Supervisor)


 23/1/2023
 (date and signature of Trainee)

2023 -01- 23 

 (date and signature of the Director of the Institute)

DYREKTOR
 Instytutu Nauk o Zwierzętach
 / Dr hab. Marcin Gołębiewski, prof. SGGW /