Nassik Saâdia, DVM, Ph D, MBA

Veterinarian, Associate Professor

Nationality: Moroccan

Gender: Female

38 years,

Number phone:

00212 663 16 44 59

E-mail:

s.nassik@yahoo.com

Personnel Adress: Lot 96, Lotissement Seyad II, Kénitra, Maroc

Professional Adress: Avian Pathology Unit, Department of Pathology and Veterinary Public Health, Agronomy and Veterinary Institute Hassan II,Rabat 10000, Morocco. Madinat Al Irfane, B.P. 6202. Rabat – Maroc

Qualifications:

2019: University qualification of Agronomy and Veterinary Institute Hassan II,

2017: Master in Management and Business Administration at National school of Management and Business. Option: Quality management

2015: PhD on Emergent infectious animal diseases (Avian pathology) of Agronomy and Veterinary Institute Hassan II,

2010: Diploma of veterinary medicine of Agronomy and Veterinary Institute Hassan II. (Grade: A)

Professional experience:

2023: National coordinator of E-learning course ‘’Reasonable and responsible use of antimicrobials’’

Since 2022: Manager of the laying hen experimental station at IAV Hassan II

Since March 2022: IAV representative for the Antimicrobial Resistance project.

Since 2011: Head of the Laboratory of Avian Bacteriology

Since November 2019: Associate professor at Avian Pathology Unit.

From March 2017 to November 2020: Head of Animal Teaching Hospital, at IAV Hassan II

February 2016 to November 2019:

• Assistant professor in Avian Pathology Unit, Department of Pathology and Veterinary Public Health, IAV Hassan II

• Head of Avian Pathology Unit

February 2011 to February 2016:

• Veterinary Doctor– lecturer in Avian Pathology Unit, Department of Pathology and Veterinary Public Health, IAV Hassan II

October 2010: Consulting in (Resilience) (Identification, and labeling of local products).

Expertise and Skills:

Immunology, Bacteriology and Avian Pathology,
Gut health
Design of experimental trials,
Public Health,
Project management,
Communication.

Language skills:

Arabic, French and English

Interests and Activities:

Yoga and Qi gong
Reading and travel

Training:

- **November 2022 to November 2023:** Biorisk Management training
- **August 2021:** Non-Interactive Distance Online Course (Program 20-829686) Zoonoses: Protecting People And Animals In Rural Communities. (IOWA State University)
- **August 2021:** Training School on "Basic pharmacokinetics and pharmacodynamics - focus on antibiotics“ Paduva (Italy)/ ECOST Project.
- **February 2018:** Training in histology applied on avian diseases and gut health (Federal University of PRANA) (Pr E. Santin)
- **November 2017:** Training in bacteriological and molecular diagnosis (Veterinary University in Austria) (Pr M.Hess)
- **September 2017:** Workshop on Innovation and technology (World Association of Industrial and Technological Research Organizations, Malaysia)
- **May 2017:** Advanced courses on avian pathologies- Avian Influenzas and Mycoplasmas (University of Florida) (Pr. Gary Butcher)
- **March 2016:** Avian Influenza Disease Diagnostic Workshop (JUST, Princess Haya Biotechnology Center in Irbid) (CRDF program)
- **September 2012:** Training in molecular biology for the diagnosis of mycoplasma (POULINAs center laboratory in Tunis)
- **October 2011:** Training in the Economic aspects of the control of zoonosis. (IAV Hassan II) (Ms, Alexandra SHAW, Redding University, UK)
- **September 2011:** Training in laboratory diagnosis of avian influenza, (ONSSA, IAV and The World Bank Institute)
- **January 2011:** Training in Epidemiology, Risk Analysis and introduction to the use of the epidemiological calculation software, (Dr. Ester SCHELLING Basel University, Switzerland).

Research and development, Innovation expertises:

Topic of consultation and expertise	Company and industrial structure	Output and deliverable
Poultry feed **Gut Health** **Growth promoter alternative**	Poultry feed industry and integration, Alf Sahel, Alf Eddik and Globalvet…	✓ Growth promoter alternative standard, ✓ Nutritional effectiveness and efficiency, ✓ Experimental design
Vaccination and Immunology	CEVA santé Animale, MSD, Biovac and CEVA santé Animale	✓ Technical and economic evaluation of avian vaccine, by using an animal model for optimization, ✓ Development of an Auto-vaccine against E.Coli
Diagnostic	Bio-Mérieux	✓ Validation of a bacteriological detection tool for salmonella in the food industry, ✓ Economic study of setting up the test in the market,
Quality	ONSSA (Regional Office of Rabat) Private Laboratory	✓ Feasibility study for the implementation of ISO 9001 ✓ Implementation of the ISO 17025 standard
Patent and recognition		
GPaS: Growth promoter alternative standard	OMPIC (National office)	Toolkit for evaluating the efficacy of alternatives to growth-promoting antibiotics on zootechnical parameters and the digestive health of broiler chickens
Spirulina as a substitute to growth promoters antibiotics in broiler chickens	Winner of the Experience and Innovation Challenge (HIPRA Congress)	**https://poultrycongress.hipra.com/experience-innovation-challenge/**

Projects :

Topic or Project	Funding agency	Total amount	Duration
E-learning course ''Reasonable and responsible use of antimicrobials''	FAO	100.000,00 USD	2023
Development of Rapid Kit for salmonella detection	CNRT Morocco	--	2022 to 2024
Development of online courses on Antimicrobial resistance	FAO/ IAV Hassan II	--	2022 to 2023
European Network for Optimization of Veterinary Antimicrobial Treatment (ENOVAT)	Europeen Union	--	2019 to 2023
Spirulor moroccan ressource to substitute antibiotic	Belgium cooperation	--	2019 to 2022
Vet Agro International Innovative Pedagogy Training	Rhone Alpes Region	--	2020 to 2022
Gut Health and alternatives of Antibiotic growth promoters	Animal Feed company in Morocco	Amount per trial	Since 2017
Avian Mycoplasma	Moroccan Ministry of Agriculture	72 000,00 Euro	2011 - 2015

Awards:

2021: Winner in the Experience & Innovation Challenge that took place in the World Poultry Virtual Congress by HIPRA from 14th to 17th June 2021.

2010: Academic Excellence Award from the Agronomy and Veterinary Institute Hassan II

2011: Excellence Award in North African Congress

Volunteering:

Health education for rural population concerning the risks of zoonotic diseases.

Relevant published work:

1. Fatima Zahra El Ftouhy, **Saâdia Nassik**, Sabrine Nacer, Ahlam Kadiri, Nadia Charrat, Kawtar Attrassi, Asma Fagrach, Mohammed Amine Bahir, Sophia Derqaoui, and Abdelaziz Hmyene. 2022. Bacteriological Quality of Table Eggs in Moroccan Formal and Informal Sector. Hindawi, International Journal of Food Science. Volume 2022, Article ID 6223404, 9 pages https://doi.org/10.1155/2022/6223404
2. Amine Mernizi, Salma Bouziane, Hicham Fathi, Juan Luis Criado, Mohammed Bouslikhane, Abdeljelil Ghram, Elena Catelli, Mohammed Mouahid, **Saadia Nassik.** 2022. First seroepidemiological and risk factor survey of avian metapneumovirus circulation in Moroccan broiler farms. Veterinarski Glasnik, 2022. 00: 1-18. https://doi.org/10.2298/VETGL220307009M
3. Derqaoui S, Oukessou M, Attrassi K, Elftouhy FZ and **Nassik S** (2022) Detection of Sutterella spp. in Broiler Liver and Breast. Front. Vet. Sci. 9:859902. doi: 10.3389/fvets.2022.859902
4. Sophia DERQAOUI, Yassmina BIDOUDAN, Ibrahim EL IDRISSI, Abderrahmane JANNOUNE, Mariam NACIRI, Mohammed OUKESSOU and **Saadia NASSIK**. 2022.Effects of NSPase Supplementation on Growth Performances, Histological and Macroscopic Lesions and Coccidiosis Load of Broiler Chickens". EC Veterinary Science 7.5 (2022): 08-19.
5. Sophia Derqaoui , Mohammed Oukessou and **Saadia Nassik**. 2022. NSPASES: can those exogenous enzymes really constitute natural growth cofactors in broiler chickens? Int. J. Adv. Res. 10(01), 450-464, Article DOI:10.21474/IJAR01/14060 DOI URL: http://dx.doi.org/10.21474/IJAR01/14060
6. Sophia Derqaoui , Mohammed Oukessou and **Saadia Nassik.** 2022. ZINC: THE POULTRY INDUSTRY'S PRODIGIOUS TRACE ELEMENT! Vol. 07, No. 02; 2022 ISSN: 2456-8643. https://doi.org/10.35410/IJAEB.2022.5710
7. Rakani Sara, Masic Aleksandar , Bidoudan Yasmina , Hussein Mohamed , Frago Amine , Khantour Abderrazak and **Nassik Saâdia**. 2021. Addition of Mycobacterium Cell Wall Fraction as Immunomodulator to Improve the Efficacy of Oil Emulsion-Inactivated Avian Influenza Vaccine in Broiler Chickens.
8. Essalah-Bennani, A., Bidoudan, Y., Fagrach, A., Balil, H., Abderrazak, E., Tligui, N.,**Nassik, S**. and Ouafaa, F.F. 2021. Experimental study of the efficacy of three inactivated H9N2 influenza vaccine on broiler flocks. Ger. J. Vet. Res. (2): 35-45. https://doi.org/10. 51585/gjvr.2021.2.0012.

9. Essalah-Bennani, A., Fagrach, A., El Khantour, A., Fihri, O. F., Bouzouaia, M., and **Nassik, S.** 2021. Interference between low pathogenic avian influenza H9N2 and avirulent Newcastle diseases viruses in embryonated Specific Pathogen-Free chicken eggs. GMPC TOP (2): 7-10. https://doi.org/10.51585/gtop.2021.2.0007.

10. Abderrazak EL Khantour ; Mohamed EL Houadfi ; **Saadia Nassik** ; Nour Said Tligui ; Fatiha EL Mellouli ; Fatima-Zohra Sikht ; Mariette F. Ducatez ; Abdelmajid Soulaymani ; Siham Fellahi. Protective efficacy evaluation of four inactivated commercial vaccines against low pathogenic avian influenza H9N2 virus under experimental conditions in broiler chickens. Avian Dis (2021) https://doi.org/10.1637/aviandiseases-D-21-00015

11. Siham Fellahi, **Saadia Nassik**, Imane Maaroufi, Nour-Said Tligui, Charifa Drissi Touzani, Taoufik Rawi, Andrea Delvecchio, Mariette F. Ducatez, and Mohamed EL Houadfi. Pathogenesis of Avian Influenza Virus Subtype H9N2 in Turkeys and Evaluation of Inactivated Vaccine Efficacy. AVIAN DISEASES 64:000–000, 2021

12. Sophia DERQAOUI , Mohammed OUKESSOU , Ibrahim EL IDRISSI , **Saadia NASSIK.** Les probiotiques: Seraient-ils la nouvelle génération naturelle des cofacteurs promoteurs de croissance chez le poulet de chair ? VOL. 9 NO 3 (2021): (SPÉCIAL AVICULTURE - SEPTEMBRE 2021)

13. **S. NASSIK**, S. MACHKOUR , Y. BIDOUDAN , S. ELMORABET , Y. HARTI. Evaluation de l'effet de la substitution des antibiotiques promoteurs de croissance par des produits naturels sur les performances zootechniques et la santé intestinale chez le poulet de chair. VOL. 9 NO 3 (2021): (SPÉCIAL AVICULTURE - SEPTEMBRE 2021)

14. Mohamed BADDI, **Saadia NASSIK**, Said ALALI, Abdelaziz EL HRAIKI. L'impact économique et sanitaire des mycotoxines entre aujourd'hui et demain . VOL. 9 NO 3 (2021): (SPÉCIAL AVICULTURE - SEPTEMBRE 2021)

15. M. BADDI, **S. NASSIK**, S. ALALI, A. EL HRAIKI : Co-occurrence de mycotoxines dans les aliments pour volailles et les ingrédients alimentaires commercialisés au Maroc. . VOL. 9 NO 3 (2021): (SPÉCIAL AVICULTURE - SEPTEMBRE 2021)

16. Lhoussaine OUBOUYAHIA, **Saadia NASSIK**. Colibacillose aviaire au Maroc: Infection redoutable à double impact. VOL. 9 NO 3 (2021): (SPÉCIAL AVICULTURE - SEPTEMBRE 2021)

17. Amal ESSALAH-BENNANI, **Saadia NASSIK**, Moncef BOUZOUAIA, Ouafae FASSI FIHRI. Cinétique des anticorps d'origine maternelle anti-virus de l'influenza aviaire faiblement pathogène H9N2 et interférence avec la vaccination chez le poulet de chair. VOL. 9 NO 3 (2021): (SPÉCIAL AVICULTURE - SEPTEMBRE 2021)

18. Yassmina BIDOUDAN, **Saadia NASSIK**, Ouafae FASSI FIHRI, Enrico BOLLO, Mohammed EL HOUADFI, Noursaid TLIGUI. Evaluation semi-quantitative des lésions histopathologiques respiratoires chez la dinde moyennant un système de scoring lésionnel: Infection expérimentale par le virus de l'influenza aviaire faiblement pathogène H9N2. . VOL. 9 NO 3 (2021): (SPÉCIAL AVICULTURE - SEPTEMBRE 2021)

19. Yassmina BIDOUDAN, **Saadia NASSIK**, Ouafae FASSI FIHRI, Enrico BOLLO, Mohammed EL HOUADFI, Noursaid TLIGUI. Application du système de scoring lésionnel pour contribuer à l'étude de la pathogénicité du virus de l'influenza aviaire faiblement pathogène H9N2 chez le poulet de chair infecté expérimentalement. VOL. 9 NO 3 (2021): (SPÉCIAL AVICULTURE - SEPTEMBRE 2021)

20. Sabrine Nacer, F. EL FTOUHY, S. NASSIK, M. LKHIDER. Salmonella spp: Entre l'aspect zoonotique et l'antibiorésistance, quel enjeu pour le secteur de l'aviculture la filière avicole ? . VOL. 9 NO 3 (2021): (SPÉCIAL AVICULTURE - SEPTEMBRE 2021)

21. F. EL FTOUHY, S. NACER, S. NASSIK, A. HMYENE. Problématique de campylobacter spp. en aviculture. VOL. 9 NO 3 (2021): (SPÉCIAL AVICULTURE - SEPTEMBRE 2021)

22. AMAL ESSALAH-BENNANI, **Saâdia Nassik,** Asma Fagrach, Moncef Bouzouaia, and Ouafae Fassi Fihri (2020) *Characterization and phylogenetic analysis of Hemagglutinin gene of H9 Influenza viruses from chickens in Morocco from 2017 to 2019.* Avian Diseases. https://doi.org/10.1637/aviandiseases-D-20-00009.

23. Asmae chahbi, **saâdia nassik**, hamid el amri, ahmed douaik , el haj el maadoudi, mohamed boukharta, and el mestafa el hadrami. Chemical Composition and Antimicrobial Activity of the Essential Oils of Two Aromatic Plants Cultivated in Morocco (Cinnamomum cassia and Origanum compactum). Hindawi, Journal of Chemistry, Volume 2020, Article ID 1628710, 10 pages. https://doi.org/10.1155/2020/1628710

24. **Saâdia Nassik**, Siham Tallouzt, Nsrine Karbach, Charifa Touzani, Yassmina Bidoudan, Nadim Aamarine, and Claudia Hess. (2019). *First Report of Isolation of Gallibacterium anatis from Layer Chickens in Morocco with Decrease in Laying Performance***.** December 2019, Vol. 63, No. 4, pp. 727-730. https://doi.org/10.1637/aviandiseases-D-19-00119

25. **Saadia Nassik,** Nouha El-aamili, Mohamed Benjelloun, Khalid El-Harrech, Fatima Falaki, Farida Ohmani, Andrianina Rajaonarivelo, Mohammed El-houadfi. **2019.** *Detection and identification of salmonella serovars from laying hen farms in morocco International Journal of Agriculture, Environment and Bioresearch, Vol. 4, No. 02; 2019 ISSN: 2456-8643*

26. Asmae chahbi , el mestafa el hadrami , hamid el amri , **saâdia nassik** , ahmed douaik , mohamed boukharta 2019. *L'aviculture non industrielle au Maroc: Une étude par enquête dans la région de Rabat-Salé-Kénitra,* **2019**. Revue Marocaine des Sciences Agronomiques et Vétérinaires VOL. 7 NO 3 (2019).

27. Khribch Jamila, Smara Naima, Laghrib Farida, Zrira saadia , **Nassik saâdia** , EL Houadfi Mohammed, Oukessou Mohamed. **2018**. *Comparative study of the antibacterial activity of cinnamon and origan essential oils and their primarycomponents on avian Escherichia coli strains. Int. J. Adv. Res. 6(9), 373-381*

28. Jamila khribch, smara naima, laghrib farida , **s.nassik,** s.zrira , m. el houadfi , m. oukessou. **2018**. *Antibacterial activity of cinnamon essential oil (cinnamomum cassia) and cinnamaldehyde on avian escherichia coli strains. International Journal of Agriculture, Environment and Bioresearch Vol. 3, No. 04; 2018*

29. Jamila khribch, **Saâdia nassik,** mohamed. el houadfi, saadia. zrira, mohamed.oukessou **2018**. *Antibacterial activity of essential oil of oregano and carvacrol on avian e. coli strains, In Revue Marocaine des Sciences Agronomiques et Vétérinaires.*

30. Sakhia Belkasmi, Siham Fellahi, Sajid Umar, Delpont M, Delverdier M, Lucas MN, Bleuart C, Faouzi Kichou, **Saadia Nassik,** Jean Luc Guerin, Ouafaa Fassi Fihri, Mariette Ducatez, Mohammed El Houadfi. **2017**. *Efficacy of Massachusetts and 793B Vaccines Against Infectious Bronchitis Moroccan-Italy 02 Virus in Specific-Pathogen-Free Chickens and Commercial Broilers. Avian Disease. 61(4):466-471.*

31. Naoufal rahmatallah, **saadia nassik,** hicham el rhaffouli, idriss lahlou amine, mohammed el houadfi **2017**. *Détection de souches multi-résistantes d'Escherichia coli d'origine aviaire dans la région de Rabat Salé Zemmour Zaer. In Vol. 5, No 2 (2017).*

32. Mohammed EL Houadfi, Siham Fellahi, **Saadia Nassik,** Jean-Luc Guérin and Mariette F. Ducatez **2016**. *First outbreaks and phylogenetic analyses of avian influenza H9N2 viruses isolated from poultry flocks in Morocco. In Virology Journal (2016) 13:140 DOI 10.1186/s12985-016-0596-1*

33. **Nassik Saâdia,** Fassi-Fihri Ouafaa, Rahmatallah Naoufal, El Houadfi Mohamed. **2014**. *Risk factors and incidence of Mycoplamsa synoviae infection in broiler breeder farms in Morocco. In (International Journal of Advanced Research) Int. J. of Adv. Res. 2 (9). (ISSN 2320-5407).*
34. **Nassik Saâdia,** Rahmatallah Naoufal, Fassi-Fihri Ouafaa. El Houadfi Mohamed **2014**. *Séroprévalence de Mycoplasma gallisepticum et de Mycoplasma synoviae dans les élevages reproducteurs type poulet de chair au Maroc de 1983 au 2005, la Revue Marocaine des Sciences Agronomiques et Vétérinaires (2014) vol 1 (3) Mars 2014, pages :32-34*
35. **Nassik Saâdia,** Aboukhalid Rachid, Azzam Falak, Rahmatallah Naoufal, Lahlou-Amine Idriss, Fassi-Fihri Ouafaa, El Houadfi Mohammed. **2014**. *Detection of Mycoplasma synoviae infection in broiler breeder farms of Morocco using serological assays and real time PCR. In Journal of Life Sciences 8 (2014) 815-82.*

Chapter in Book: Saâdia Nassik, 2017. Women in Science, Inspiring stories from Africa. Editions Women in Science Inspiring Stories from Africa © 2017 Network of African Science Academies (NASAC). www.nasaconline.org