

## **CV of Prof. Dr. Dr. h. c. Dieter Strauch**

### **Personal Information**

Family Name: Strauch  
First Name: Dieter  
Date of Birth: 19.10.1928  
Place of Birth: Giessen, Germany  
Date of Death: 28.09.2007  
Place of Death: Ostfildern-Scharnhausen, Germany



### **Activities in ISAH**

1970: Foundation member of the ISAH  
1970–1988: Board Member and Press Secretary  
1994: Honorary member of the ISAH

### **Education**

1948: Abitur (German university entrance qualification) at Giessen;  
1948–1953: Study of Veterinary Medicine at the Justus–Liebig–University, Giessen, Germany;  
1953: Doctoral thesis on Brucellosis, Institute of Hygiene and Microbiology, Veterinary Faculty of the Justus–Liebig–University, Giessen, Germany;  
1952–1962: Scientific assistant at the Institute of Hygiene and Microbiology (Head of the Institute Prof. Dr. Elmar Roots), Veterinary Faculty of the Justus–Liebig–University, Giessen, Germany;  
1962: Habilitation on hygienic problems in recycling municipal organic wastes as fertilizers to agriculture at the Veterinary Faculty of the Justus–Liebig–University, Giessen, Germany;  
1964–1970: Chair in Animal Hygiene at the Institute of Hygiene and Infectious Diseases, Veterinary Faculty of the Justus–Liebig–University, Giessen, Germany;  
1970–1994: Professor in Animal and Environmental Hygiene at the Agricultural Faculty of the University of Hohenheim, Stuttgart, Germany;  
1981: Honorary Professor at the Institute for Sanitary Engineering, Water Quality and Solid Waste Management, Faculty of Architecture and Urban Planning, University Stuttgart, Germany.

### **Research activities**

He started his career as scientist in the field of bacteriology with research on brucellosis, an actual theme of the fifties and sixties in Giessen, Germany under the supervision of prof Elmar Roots. His fields of research at this time had also been the

epidemiology of red murrain, improvement in the diagnosis of psittacosis, placenta transfer of drugs in animals and mechanisms of body defence against infections.

At the beginning of the sixties he changed his research activities towards investigation on pathogens in organic municipal and agricultural wastes deemed to be recycled to agriculture. Their tenacity in the different organic matrices and the environment as well as the conditions for their inactivation in biotechnological, physical and chemical treatment processes. In his research he elaborated the scientific basis for the related German legislation in environmental protection, fertilizers, rendering and control of notifiable diseases of animals. Some examples for the more than 100 research projects he was responsible for until his retirement are given here in summary:

- Research on inactivation of viral and bacterial pathogens as well as parasites eggs in sewage sludge and wastewater treatment;
- Research on inactivation of viral and bacterial pathogens as well as parasites eggs in storage and treatment of liquid and solid manure;
- Development of test models for the evaluation of treatment processes for organic wastes according to hygienic safety of the resulting product and the evaluation of such test models under laboratory and practical conditions in different matrices;
- Research on presence of bacterial and parasitic zoonotic agents in dog droppings at children playgrounds and recommendations for regulatory action;
- Research on save rendering technologies in recycling animal by-products as feed for farm animals and pets;
- Research on effectivity of disinfection measures in epidemic disease control, and representativeness of laboratory disinfectant testing in relation to the performance of disinfectants under practical conditions;
- Research on quantitative and qualitative characterization of bioaerosols from wastewater treatment, composting, slurry spreading, air washers and animal housings.

### **Teaching activities**

1962–1070: Lectures on Animal Hygiene at the veterinary faculty of the Justus–Liebig–University, Giessen, Germany.

1970–1994: University Hohenheim:

- Introduction to Environmental and Animal Hygiene;
- General Environmental and Animal Hygiene;
- Diseases in Animals and Animal Healthcare;
- Project Work in Environmental and Animal Hygiene;
- Laboratory course in Environmental and Animal Hygiene.

1970–1994: University Stuttgart:

- Environmental Hygiene.

1970–1991: Teaching activities in other organizations and for other purposes than academic education:

- Training course for state veterinarians in Stuttgart, Germany: lectures on Disinfection Measures in Epidemic Disease Control.

1970–1994: Supervision of about 180 Diploma and Doctoral theses.  
1970–1994: Supervision of 3 Habilitation treatises.

### **Activities in National Organizations**

#### **Scientific Societies**

- Member and Press secretary of the German Veterinary Society (DVG);
- Founder and organizer of the Scientific Symposium of the DVG “*Hohenheimer Seminar*” at the University of Hohenheim;
- Member of the German Societies for Hygiene and Microbiology (DGHM);
- Member of the Wastewater Technological Association (ATV).

#### **Academic self-administration**

- 1974–1978. Vice president of the University Hohenheim;
- Member of the Administrative Council of the University Hohenheim;
- Head of several Appointment Committees of the University of Hohenheim and other Universities in Germany.

#### **Other official activities**

- Expert for the German Research Foundation (DFG);
- Expert for the Commission on Rendering of the German Ministry for Agriculture;
- Expert for the Commission on disinfection in epidemic disease control of the German Ministry for Agriculture;
- Temporary Expert for the Science Council of the Federal Republic of Germany.

### **Activities in International Organizations**

#### **Scientific Societies**

- Member of the International Society for Animal Hygiene;
- Member of the Austrian Society for Hygiene, Microbiology and Preventive Medicine (ÖGHMP);
- Member of the American Society for Microbiology (ASM).

#### **International Organizations**

- Temporary Member of several working groups of and invited expert for the WHO (Brucellosis, Municipal Hygiene);
- Temporary expert for the FAO;
- Temporary Member of several working groups of and invited expert for the European Commission (Rendering, Waste Management, Animal Hygiene).

#### **Other International Activities**

- Member of the RAMIRAN-Network;
- Invited Expert giving advice to administrations in several foreign countries (e.g. Slovenia, Poland, and Austria).

### **Honours and Awards**

- 1986: Memorial Medal of the Veterinary Schools in Brno and Košice/CSSR in occasion of the World Food Day;

- 1987: The “*Nieberle-Plakette*” (Nieberle-Badge of Honour) of the Veterinary Board of Baden-Württemberg, Germany;
- 1987: Memorial Medal of the Veterinary University Budapest in occasion of the 200 Year Anniversary Celebration;
- 1988: Honorary Member of the Austrian Society for Hygiene, Microbiology and Preventive Medicine;
- 1988: “*Bundesverdienstkreuz am Bande*” (Federal Cross of Merit on Ribbon) of the Federal Republic of Germany;
- 1989: The “*Medal Pamiatkowy*” of the Technical-Agricultural Academy of Bydgoszcz, Poland;
- 1991: The Honorary Doctor of the University of Krakow, Poland;
- 1994: Honorary Member of the ISAH;
- 1995: “*Staatsmedaille in Gold*” (States Medal in Gold) of the Federal State of Baden-Württemberg, Germany;
- 2000: “*Friederich-Müssemeier-Medaille*” (Friederich-Müssemeier-Medal) of the Veterinary Faculty of the Free University in Berlin, Germany.

## Publications

### Papers and Oral Presentations

- Nearly 500 scientific papers;
- More than 300 oral presentations.

### Editor or Co-Editor

- Roots/Strauch: Listeriosen, Parey, Berlin 1958;
- Roots/Haupt/Hartwig: Veterinärhygiene, Parey, Berlin 1972;
- Strauch/Bader/Tietjen: Abfälle aus der Tierhaltung, Ulmer, Stuttgart 1977;
- Schliesser/Strauch: Desinfektion in der Tierhaltung, Fleisch- und Milchwirtschaft, 1. Auflage, Enke, Stuttgart 1981;
- Kraft: Kleintierkrankheiten Band I, Ulmer, Stuttgart 1984;
- Dedié/Bostedt: Schafkrankheiten, Ulmer, Stuttgart 1985;
- Strauch/Böhm: Reinigung und Desinfektion in der Nutztierhaltung und Veredelungswirtschaft, 2. Auflage, Enke, Stuttgart, 2002.

### Contributions to Textbooks

- More than 50 contributions in the fields of bacteriology, epidemiology, agricultural wastes and by-products from animal husbandry, municipal wastes and wastewater, disinfection and sterilization, environmental protection, behaviour of pathogens in the environment, aerosols from agriculture, industrial and municipal sources.