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| Titolo | Informatics in Poultry Production : A Technical Guidebook for Egg and Poultry Education, Research and Industry / / edited by Alin Khaliduzzaman |
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| Descrizione fisica | 1 online resource (163 pages) |
| Collana | Biomedical and Life Sciences Series |
| Disciplina | 338.1765 |
| Soggetti | Food science<br>Business - Data processing<br>Bioinformatics<br>Food Engineering<br>Business Informatics |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Chapter 1 - Poultry and Egg Production: An Overview -- Chapter 2 - Egg formation and Embryonic Development: An Overview -- Chapter 3 - Chemometric for Spectroscopy-Based Poultry and Egg Research -- Part-I: Table Eggs -- Chapter 4 - Non-destructive Quality Assessment of Table Eggs for Online Sorting -- Part-II: Hatching Eggs -- Chapter 5 - Grading of Hatching Eggs -- Chapter 6 - Non-destructive Technologies for Embryo Gender Prediction -- Chapter 7 - Hatch Window Monitoring, Control and Management -- Chapter 8 -: Chick Embryo Grading: A Future Tool for Precision Poultry Production -- Chapter 9 - A Vision for Smart Poultry Production to Achieve Multiple SDGs. |
| Sommario/riassunto | This book discusses table and hatching eggs, quality-based grading of eggs, pre-incubation, incubation, hatching and post-hatch monitoring period, and how the next-generation management of these process can be enriched by informatics through non-destructive technologies, signal processing, machine learning, AI, IoT applications, etc. This book will be a beneficial resource for egg and poultry science researchers, |

avian biologists and ecologists, developmental biologists, agricultural engineers, advanced graduate and postgraduate students, and poultry production industry stakeholders.