



RELATÓRIO DE ATIVIDADES CISAS

CENTRO DE INVESTIGAÇÃO E DESENVOLVIMENTO EM SISTEMAS AGROALIMENTARES E
SUSTENTABILIDADE

CENTER FOR RESEARCH AND DEVELOPMENT IN AGRI-FOOD SYSTEMS AND SUSTAINABILITY

Ano: 2021

Apresentado em reunião de Conselho Científico do CISAS em 8 de fevereiro de 2021

Índice

Summary	ii
1. Introduction.....	1
2. CISAS FCT budget for 2021	1
3. CISAS IPVC budget for 2021	3
4. R&DT Projects 2021	4
5. Activities and outputs 2021	5
Appendix 1 - Compilation of individual members research activities outputs	10
1. Publications	10
1.1 Articles indexed JCR and SCOPUS (22).....	10
1.2 Articles indexed SCOPUS (7).....	12
1.3 Articles indexed JCR (1).....	12
1.4 Articles indexed to other international indexed journals (5).....	12
1.5 Articles in national technical and scientific Journals (12)	13
1.6 Books (13).....	13
1.7 Book chapters (17).....	14
2. Participation in congresses, conferences and seminars	16
2.1 Oral presentations	16
2.1.1 International (28)	16
2.1.2 National (58).....	19
2.2 Poster presentations	23
2.2.1 International (29)	23
2.2.2 National (24).....	26
2.2. Organizing committees (24).....	28
2.3. Scientific committees (11).....	30
3. Masters awarded (15)	31

Summary

The purpose of this document is to systematize the set of activities carried out by CISAS during the year 2021 considering the objectives of CISAS Activity Plan for 2021 and the contents specified in the financing application proposal submitted to the Foundation for Science and Technology (FCT) in 2018, and the adjusted project financial budget approved in March 2020, including base (UIDB/05937/2020) and programmatic (UIDP/05937/2020) funding.

The year 2021, as it was the previous 2020, derived from the pandemic caused by COVID-19, caused an impact in the expected activities projections, with various cancellations of presential congresses and postponements of activities, with the consequent impact on the expected outputs.

However, despite of the COVID-19 impacts most of the activities to accomplish the objectives previewed for the “organization” stage in 2021, stated in CISAS Activity Plan for 2021, have been fully or partially implemented during 2021.

1. Introduction

The Center for Research and Development in Agrifood Systems and Sustainability (CISAS, FCT Project Reference UID/05937/2020) is a multidisciplinary research and development (R&D) unit, based at the IPVC, which is focused on agri-food systems and sustainability issues, thus organized in two main areas, namely Agri-Food Systems and AgroSystems Resource Management and Sustainability.

CISAS Research Unit's Activity Plan for the year 2021 was aligned with the contents specified in the financing application proposal submitted to the Foundation for Science and Technology (FCT) on the 9th of February 2018, adjusted to the pluriannual 2020-2023 funding approval in December 2019, comprising a base funding of 198,400.00 € (UIDB/05937/2020) and programmatic funding of 355,000.00€ (UIDP/05937/2020).

In the original application for funding, it was considered critical for attaining the stated CISAS objectives to hire 4 PhD researchers (two per area/axis) fully allocated to CISAS' activities. However, the approved funding was considerably reduced and just a PhD junior contract has been financed under programmatic funding (UIDP/05937/2020).

The year 2021 corresponds to the 2nd year of implementation of the 2020-2023 FCT pluriannual financing program.

2. CISAS FCT budget for 2021

The total FCT budget of 553,400.00€ approved by FCT for 2020-2023 years, comprises a base budget of 198,400.00€ (UIDB/05937/2020) and a programmatic budget of 355,000.00€ (UIDP/05937/2020). The annual distributions planned for 2021 of base and programmatic budgets are presented in Tables 1 and 2.

TABLE 1. FCT pluriannual funding 2020-23 - Base (UIDB/05937/2020)

Current expenses		2020	2021	2022	2023	Total
Recursos Humanos (RH)	62 276,04 €	8 267,75 €	€ 12 490,93	€ 20 758,68	€ 20 758,68	62 276,04 €
Missões no país e estrangeiro (M)	32 000,00 €	€ 899,72	€ 9 100,28	€ 11 000,00	€ 11 000,00	32 000,00 €
Consultores nacionais ou estrangeiros (C)	13 563,59 €	€ -	€ 4 521,20	€ 4 521,20	€ 4 521,19	13 563,59 €
Aquisição de bens e serviços (AQ)	47 880,37 €	€ 2 976,08	€ 14 960,12	€ 14 960,12	€ 14 984,05	47 880,37 €
Registo nacional e no estrangeiro de patentes (P)	3 000,00 €				€ 3 000,00	3 000,00 €
Adaptação de edifícios e outras instalações (AE)	- €					-
Encargos Gerais (EG)	39 680,00 €	3 035,89 €	10 268,13 €	12 810,00 €	13 565,98 €	39 680,00 €
Demonstração, Promoção e Divulgação (DPD)						- €
Outras despesas correntes						- €
Equipamento (E)						
TOTAL	198 400,00 €	15 179,44 €	51 340,66 €	64 050,00 €	67 829,90 €	198 400,00 €

TABLE 2. FCT pluriannual funding 2020-23- Programmatic (UIDP/05937/2020)

Current expenses		2020	2021	2022	2023	Total
Recursos Humanos (RH)	121 895,00 €	4 663,31 €	39 077,23 €	39 077,23 €	39 077,23 €	121 895,00 €
Missões no país e estrangeiro (M)	5 000,01 €		1 666,67 €	1 666,67 €	1 666,67 €	5 000,01 €
Demonstração, Promoção e Divulgação (DPD)	- €	- €	- €	- €	- €	- €
Aquisição de bens e serviços (AQ)	124 105,00 €	3 189,96 €	41 035,00 €	41 035,00 €	38 845,04 €	124 105,00 €
Outras despesas correntes	3 999,99 €	3 000,00 €	333,33 €	333,33 €	333,33 €	3 999,99 €
Equipamento (E)	100 000,00 €		33 266,67 €	33 266,67 €	33 466,66 €	100 000,00 €
TOTAL	355 000,00 €	10 853,27 €	115 378,90 €	115 378,90 €	113 388,93 €	355 000,00 €

Adjustments to the previewed expenses in CISAS Plan of Activities (Tables 1 and 2) took place and are shown in Tables 3 And 4. Overall, the global previewed budget for RH did not change but the RH expenses previously placed in 2020 programmatic fund moved to Base funding for subsequent financial execution. In 2020 Base fund, the RH budget only includes the previewed PhD students' grants. The post-doc grant previewed in CISAS Plan of Activities to start in 2021 was delayed until the PhD junior employment contract, so that a complementary area of knowledge could be considered in that recruitment. Thus, the 2021 Base fund comprises now five months of the postdoctoral grant recruited in th1st of August and the last month grant of one PhD student (BI) in the research activity "Thermography in the evaluation of the water status of Alvarinho and Loureiro grape varieties". The RH of Programmatic fund in 2021 comprises the PhD junior researcher contract, previewed to be hired in the last trimester of 2020, but due to several constraints, already reported, that affected this recruitment, started only on the 1st of April. The recruited PhD researcher belongs to the area of Veterinary and Agronomic Sciences- Animal Welfare specialty.

In November 2021, a request to FCT was sent: In the original FCT contract CISAS there was no budget for publications fees (Demonstration, Promotion and Dissemination- DPD, Table 1) thus, it was requested to add to this budget 15 thousand euros from *Missions* budget, which was approved (Table 3). The expenses of publication fees are now placed (DPD- Table 3).

The budget for AQ had an overall budget of 171 985,37 € (124.105,00€- programmatic funding; 47.880,37€- Base funding). Is now considered an overall budget of 101 985,37 € in AQ, which seems to be sufficient to stand the expenses of the whole funding period.

Another request was sent to FCT: It was asked to move 70 thousand euros from *Acquisitions of goods and services* (AQ) budget to the *Equipment* budget of Programmatic funding (Table 4). In the original FCT contract for programmatic funding the budget *Equipment* has 100 thousand euros and the equipment considered included an Inductively coupled plasma mass spectrometry (ICP-MS) and sensors for remote sensing allowing the characterization of plots, the identification of diseases and pests, and the evaluation/quantification of water content in the soil. The ICP-MS costs without VAT, are now estimated in 106 thousand euros. Fortunately, the VAT refund considered in 2021 National budget for expenses related to R&D activities, will allow the acquisition of the previewed equipment and the equipment necessary to accomplish the research activities plan of the post-doc recruitment, which implies the acquisition of an inverted light microscope, a cell culture chamber and a FTIR spectrometer. All this equipment purchases will take place in 2022.

During 2021 the *Equipment* budget only comprises the software *TIBCO Statistica Ultimate Academic* and a *Infiltrometer* to measure the rate of water infiltration into soil.

No budget was allocated to *Missions*, once no travelling for congresses took place supported by UID CISAS.

In *Consulting* budget are included the expenses for travel and hospitality services of the Scientific Advisory Committee.

The budget for AQ, comprises the reagents and raw materials of research activities; “Exploratory Study for Assessment of Occupational exposure to Chemical and Biological Agents in the Meat Processing Industry”; “Characterization and evaluation of the nutritional and functional potential of *Crithmum maritimum*”; “*Trichinella* spp. in pigs raised for domestic slaughter”; Identification of microorganisms suppressive of root diseases of cultures in compost from viticulture residues”; “Productive performance, meat quality and animal welfare in the native Portuguese breed: Galinha Branca”. Also includes the licenses and technical support to the 3 webinars “Meeting Cisas 2021”

In 2021 *DPD* budget now it is considered the English editing and publications fees of open access journals, and two congress registration fees for presenting the results of the research activities: “Purchase Behaviour of biological products – comparative study comparative in EU Mediterranean countries”, “Characterization of four native Portuguese chicken breeds and products”; Includes also the English editing of a paper based on results of “Thermography in the evaluation of the water status of Alvarinho and Loureiro grape varieties”, being the fees financed.

Other current expenditures, comprise the membership fee of the collaborative laboratory “Colab4food”, that started in 2020.

Therefore, during 2021, CISAS expenses considered were **46 298.64 €**, respectively of 19 210,44 € and 27 088,45 € in the base and programmatic budgets, as it can be seen in Tables 3 and 4.

TABLE 3. FCT pluriannual funding 2020-23 - Base (UIDB/05937/2020)

Current expenses		2020	2021	2022	2023	Total
Recursos Humanos (RH)	62 276,04 €	12 931,06 €	9 154,00 €	20 758,68 €	19 432,30 €	62 276,04 €
Missões no país e estrangeiro (M)	17 000,00 €	899,72 €		7 000,00 €	9 100,28 €	17 000,00 €
Consultores nacionais ou estrangeiros (C)	13 563,59 €	- €	416,73 €	4 521,20 €	8 625,66 €	13 563,59 €
Aquisição de bens e serviços (AQ)	47 880,37 €	2 995,55 €	2 430,65 €	14 960,12 €	27 494,05 €	47 880,37 €
Registo nacional e no estrangeiro de patentes (P)	3 000,00 €				3 000,00 €	3 000,00 €
Adaptação de edifícios e outras instalações (AE)	- €					-
Encargos Gerais (EG)	39 680,00 €	4 206,58 €	3 000,35 €	11 810,00 €	20 663,07 €	39 680,00 €
Demonstração, Promoção e Divulgação (DPD)	15 000,00 €		4 208,45 €	10 791,55 €		15 000,00 €
Outras despesas correntes						- €
Equipamento (E)						
TOTAL	198 400,00 €	21 032,91 €	19 210,18 €	69 841,55 €	88 315,36 €	198 400,00 €

TABLE 4. FCT pluriannual funding 2020-23- Programmatic (UIDP/05937/2020)

Current expenses		2020	2021	2022	2023	Total
Recursos Humanos (RH)	121 895,00 €		20 688,36 €	57 484,65 €	43 721,99 €	121 895,00 €
Missões no país e estrangeiro (M)	5 000,01 €			1 666,67 €	3 333,34 €	5 000,01 €
Demonstração, Promoção e Divulgação (DPD)	- €	- €	- €	- €	- €	- €
Aquisição de bens e serviços (AQ)	54 105,00 €	3 170,49 €	3 972,49 €	20 000,00 €	26 962,02 €	54 105,00 €
Outras despesas correntes	3 999,99 €	3 000,00 €		666,66 €	333,33 €	3 999,99 €
Equipamento (E)	170 000,00 €		2 427,60 €	64 105,74 €	103 466,66 €	170 000,00 €
TOTAL	355 000,00 €	6 170,49 €	27 088,45 €	143 923,72 €	177 817,34 €	355 000,00 €

3. CISAS IPVC budget for 2021

The IPVC 2021 budget was distributed in 2021 among CISAS’s integrated members according to merit criteria established in CISAS Financing Regulation approved in 2020 (Article 11.º).

4. R&DT Projects 2021

In 2021 CISAS members submitted 11 proposals to various funding calls (Table 5). 6 of them were not approved, and 5 (3 international and 2 national) are still waiting for the final decision.

Table 5. CISAS SUBMITTED PROJECT PROPOSALS TO R&D FUNDING CALLS IN 2021

Title	Funding	Status
Blue Project	EEA Grants	Waiting for approval
ProtFrog	EEA Grants	Waiting for approval
BacSURVEY_ Surveillance of plant biohazard bacterial populations by third generation sequencing	FCT	Not approved
Breakthrough on Three-Way Biological Novel Promising Strategies to Control the Kiwifruit Bacterial Canker Disease	FCT	Not approved
ECOEDUSERVICES	H2020	Not approved
EUFOOD4ALL	H2020	Not approved
PROTEGE	POAT	Not approved
FASMED	PRIMA	Not approved
FEAST - Food systems that support transitions to healthy and Sustainable diets	Horizon Europa	Waiting for approval
PAT TECH	04/SIAC/2021/POCI	Waiting for approval
Infinifish- Pacto de Inovação Portugal Blue Food	Agendas verdes Aviso n.º 01/C05-i01/2021	Approved in stage 1; last decision in 2022

The proposal submitted to SIAC-POCI aims to protect intellectual property of some products and processes developed which are in Technology Readiness Levels 4 (TRLs) and, possible transfer of technology to reach TRLs 9. Also, the other project Infinifish (Agenda PRR) is part of Pacto de Inovação Portugal Blue Food (PBF) – Aquaculture and Technology for intelligent sustainable seafood products and services. Within this project CISAS researchers will be in partnership with an enterprise aiming the valorization of aquaculture species by diversifying its production with new products Charcutaria de Mar (from TRL 4 to TRL9).

Table 6 shows all the 27 projects, 5 of them international, running in 2021 having CISAS members as proponents or collaborators, involving an IPVC total budget of € 4 840 620,65 during projects lifetimes. Six projects that started in 2017 and expected to end in 2020 were extended to 2021 and 2 others to 2022, due to COVID constraints of 2020 and 2021.

TABLE 6 - CISAS-IPVC 2021 R&D ongoing projects	PERIOD	FUNDING (€) IPVC	Funding Entity	National/International
INTERNOVAMARKET - Programa acelerador INTERNOVAMARKET para aumentar la competitividad del sector alimentario de Galicia-Norte de Portugal	2017-2021	212 823,51	POCTEP	international
Acontece in Loco - Montanha do Alto Minho.	2017-2021	29 125,94	PDR2020	national
ClimCast-Os novos desafios para o soute no contexto das alterações climáticas	2017-2021	19 157,46	PDR2020	national
Maçã- Estratégias de proteção fitossanitária para a produção sustentável da maçã	2017-2022	33 705,39	PDR2020	national
MOBFOOD – Mobilização de conhecimento científico e tecnológico em resposta aos desafios do mercado Agroalimentar (PPS6)	2017-2021	126 406,37	COMPETE2020	national
NUTRIAGE – Soluciones Avanzadas para un Envejecimiento Saludable Através de la Nutrición en el marco de la Euroregión Galicia Norte de Portugal	2017-2021	152 838,04	POCTEP	international
VALORMAR - Valorização integral dos recursos marinhos: potencial, inovação tecnológica e novas aplicações (PPS1)	2017-2021	377 203,96	COMPETE2020	national
BioPest-Estratégias integradas de luta contra pragas-chave em espécies de frutos secos	2017-2022	34 044,41	PDR2020	national
Rana Perezil Modelo técnico de produção intensiva de rã Rana perezil	2018-2021	557 613,88	MAR2020	national
GesPSA Kiwi- Ferramenta Operacional para gestão sustentável do cancro bacteriano (Psa) da Actinídea	2018-2022	148 251,56	NORTE2020	national
Innovative Cooperation Business – HEI Learning Model for Tourism (INCOME)	2018-2021	115 865,00	ERASMUS+	international
IECPBI - Interactive ecosystem for Portuguese business internationalization	2018-2021	-	COMPETE2020	national
RICEPLUS - Desenvolvimento de soluções inovadoras de funcionalização tecnológica e nutricional de arroz Carolino	2018-2021	190 087,05	COMPETE2020	national
BioChestnut-IPM-Implementar estratégias de luta eficazes contra doenças do castanheiro e amendoeira	2018-2021	32 214,57	PDR2020	national
Minho – Região Europeia da Gastronomia	2019-2022	172 620,50	NORTE2020	national
BEYONDSCALE: Developing the organizational capacity of higher education institutions using the innovative platform to facilitate peer learning and a pan-european community of practice	2019-2022	51 226,00	ERASMUS+	international
Go GISA- Gestão Inteligente de Sistemas Agropecuários	2020/2023	32 936,15	Grupo operacional - Madeira	national
S4Agro - Soluções Sustentáveis para o Setor Agroindustrial	2020-2023	142 576,80	COMPETE2020	national
BIOMA-Soluções integradas de BIOeconomia para a Mobilização da cadeia Agroalimentar	2020-2023	390 741,07	COMPETE2020	national
TECH - Technology, Environment, Creativity and Health - Line of Research 2	2020-2023	442 505,23	NORTE2020	national
TECCo+Lab - Rumo a um laboratório de testes Covid19 mais eficiente, abrangente e colaborativo	2020-2023	364 346,44	SAICT NORTE2020	national
GREENHEALTH - Estratégias digitais e baseadas em ativos biológicos para melhorar o bem-estar e promover a saúde verde	2020/2023	70 000,00	NORTE2020	national
Refill_H2O	2021-2022	130 412,14	EEA Grants	international
Stop Suzukii	2021-2023	78 907,81	POCI_FEDER	national
Soil-Recon: Soil Ecosystems in the XXI Century: pressures, conservation and future scenarios	2021-2024	248 644,25	FCT	national
NUTRIR - Núcleo Tecnológico para a Sustentabilidade Agroalimentar	2021-2023	500 467,79	NORTE2020	national
PICAR- Functionalization of meat cured products with maritime pinebark extracts (Pinus pinaster subsp. Atlantica)	2021-2023	185 899,34	COMPETE2020	national
TOTAL BUDGET IPVC		4 840 620,65		

5. Activities and outputs 2021

To accomplish with what was expected for the “affirmation” stage, and envisaging the “excellence” stage, CISAS objectives stated in CISAS 2021 Activity Plan were as follows:

1. To activate the consultative stakeholder’s board.
2. To encourage scientific productivity and project funding applications, putting into practice merit awards.
3. To increase the number of HR financing (post)doctoral grants and scholarships to support R&D activities.
4. To increase the number of researchers and undergraduates to stimulate coordination and integration between the work areas.
5. To increase the number of publications in terms of quantity and quality of the output in peer-reviewed journals.
6. To organize scientific events.

Despite of the lack of a technical-administrative support during half of the year 2021, all the activities planned to fulfill the specific objectives stated in CISAS Activity Plan for 2021, have been fully implemented during 2021:

1. To activate the consultive stakeholder’s board (ACHIEVED). *The activation of the stake holders advisory board took place before March as previewed. Thus, CISAS stakeholders advisory board comprises representatives of nine entities, namely: Lacticínios das Marinhas Lda., SONAE MC S.A., PRIMOR Charcutaria - Prima, S.A., Aromáticas Vivas Lda., Docapesca – Portos e Lotas, S.A., Produção Distribuição Hortícola Litoral, Lda., Comissão de Viticultura da Região dos Vinhos Verdes, FRULACT, Grupo Ardian and CIM Alto-MINHO.*
The first meeting took place online in 6th of April 2021. Afterwards an enquire was sent to every member of the board and their appreciations were compiled allowing a subsequent Swot analysis useful for CISAS strategic planning. (Attached, the Enquiry template and Swot analysis performed).
2. To encourage scientific productivity and project funding applications, putting into practice merit awards (ACHIEVED). *Merit awards criteria according to CISAS established financing regulation approved in 2020 started being put into practice in 2021, and IPVC budget for 2021 was attributed and distributed to integrated CISAS members who accomplish the merit criteria, based on 2018, 2019 and 2020 individual achievements.*
3. To increase the number of HR financing post-doctoral grants and scholarships to support R&D activities (ACHIEVED). *A post-doctoral grant financed by UIDB-FCT, started on the 1st of August 2021. The recruited researcher belongs to the Chemical and Biological Engineering area. Another post-doc was recruited funded by a FCT project (Soil-recon XXI). Funded by FCT-UIDP 1 PhD junior contract started on the 1st of April. Funded by R&DT projects, 3 PhD contracts (TECH-IPVC-1, NUTRIR-2), started in 2021. 3 PhD student research grant (BIOMA, TECH and PICAR), 2 Research Initiation Grant (TECH and NUTRIR) were recruited in 2021. 2 PhD student research grant were still running in 2021 (Rice plus project and FCT). About Master’s students just two running grants. The attribution of these scholarships is dependent on the available submitted projects that previewed these types of grants. Several MSc. students were and are integrated in running R&D financed projects or non-funding CISAS research lines, without attributed grants.*

4. To increase the number of researchers and undergraduates to stimulate coordination and integration between the work areas (ACHIEVED). *Funded by R&D projects, 3 PhD contracts (TECH-IPVC-1, NUTRIR-2), 1 PhD junior contract (UIDP-FCT) started in 2021. On the other hand, in 2021, 7 new members were integrated in CISAS UID, belonging to different areas of CISAS- 6 researchers 100% dedicated (PhD contracts and postdoc grants) and 1 PhD professor 50% dedicated. The PhD students are all CISAS collaborators.*

5. To increase the number of publications in terms of quantity and quality of the output in peer-reviewed journals (ACHIEVED). Although it is recognized that some members showed limited activity during 2021, the quantity and the quality of publications improved. *35 indexed international papers were published (Table 7), of which 23 were indexed to ISI and 29 to Scopus. Quartiles rank Journal of Citation Reports (JCR) and SCIMAGO Journal and Country Rank (SJR) are shown in Table 8. The papers are listed by author in the Appendix.*

6. To organize scientific events (Partially ACHIEVED- 1 international event and not 2 as previewed). **3 webinars** (*Meeting CISAS 2021*), *honouring the International Year of Fruits and Vegetables (29 of September; 13 and 27 of October) for the dissemination of the different CISAS R&D research activities “from farm to fork”;* **4 Seminars** *within the 6th week Ciências da Vida e da Terra (Agronomic Sciences days- 24th November; Biotechnological Sciences days- 23rd November; Animal and Veterinary Sciences days- 22nd of November; Environmental Science and Engineering days- 23-25 November), 1 webinar (Food Science and Technology Day- 15 of April); 1 International Congress of Enogastronomy “Amar o Minho”, organized by the Consortium CISAS and “Minho Inovação” (22-23 of October).*

The first meeting of CISAS Advisory Scientific committee took place on the 23rd of July 2021, in Viana do Castelo. Afterwards, the Advisory board presented a report, based on CISAS previewed activities and results reported for 2020 year, stating a very positive performance based on the performance of CISAS 2020 objectives. The 5th and 6th objectives of CISAS 2021 Plan of Activity placed above were already in line with this Board recommendations. Another recommendation was, quoting: *Although we understand that the proposal to FCT did not allow a formal scientific structure it is crucial that next year, we could see a description of the main groups and the composition and main thematic of each one.*

CISAS members were allocated within the Scientific areas originally placed in the UID/05937/2017 proposal, designated according to the National Classification of Education and Training Areas (CNAEF): Veterinary and Agrarian Sciences - Agricultural, forestry and fishing; Engineering and Technology Sciences - Other engineering and technology sciences; Exact and Natural Sciences - Biological sciences; Veterinary and Agrarian Sciences - Food and agrarian biotechnology. However, as these areas are not scientific research areas it was decided grouping CISAS members in two scientific areas having the very same designation of the two CISAS' Axis: Agri-food systems and Agrosystems resource management and sustainability. Each of these groups will have defined main thematic research lines and a scientific coordination assisting CISAS coordinator for achieving CISAS objectives and outputs. This will be put functionally into practice early 2022.

In October 2021, the PhD junior researcher attend a training Session on Patents and an Open Door Action to clarify issues inherent to the registration of patents in the field of Industrial Property, promoted by IPVC and the company Patent Tree. This was an attempt to ameliorate CISAS competencies allowing future application for patents.

In 2021, the statutes of CISAS were adjusted to the new IPVC Statutes and approved by the CISAS Scientific Council. CISAS Financing Regulation will be adapted in 2022, according to the new CISAS Statutes, including now the quality criteria of publications in merit awards (Annex 1 of the Financing Regulation). Therefore, the distribution of the IPVC 2022 funding, to be applied in research activities and respective outputs, will be performed according to CISAS new Financing Regulation.

The 2021 R&DT outputs indicators, considering CISAS 2021 Plan of Activities, are present in Table 7.

Overall, it can be noticed that more prominent non-achievement was in publications in *Articles in national journals and technical journals*. The *Actas* of national seminars occurring in 2021 were not published yet which did not allow accomplishing the previewed outputs. Covid pandemic effects on poster type of presentation, having also impacted publications in national journals, once the presential traditional national congresses on agronomy were scarce. On contrary, oral presentations, in both, international and national congresses/seminars, overtook by far the expected outcome, almost triplicating in international events (10 previewed and 28 realized).

Regarding *Congresses/seminars organization*, as mentioned before, just one international seminar was organized directly by CISAS (Internacional Congress of Enogastronomy) but CISAS members participated in the organizing committees of 3 international congresses (XII Meeting of Iberian Wild Ungulates; X Foro Iberoamericano de los Recursos Marinos y la Acuicultura - X FIRMA 2021; Nutriage- Promoting healthy ageing through nutrition and the Atlantic diet) and several national seminars (Appendix 1). As mentioned above, 3 webinars (Meeting CISAS 2021), 4 Seminars within the 6th week *Ciências da Vida e da Terra* and 1 webinar (Food Science and Technology Day) were organized directly by CISAS and by CISAS' members.

In CISAS 2021 Activity Plan were previewed 2 *international new running projects*, but only 3 national R&D projects submitted in 2020 begun running in 2021 (Soil-Recon, NUTRIR and PICAR). As mentioned before, 11 R&D projects proposals were submitted in 2021, 6 of which were international. Regarding these last, 3 were not approved and 3 are still waiting for decision (2 EEA grants, 1 Horizon Europa). Two proposals submitted in 2021 to national funding Programs (1 SIAC-POCI, 1 Agenda *Pacto de Inovação PRR*) are still waiting for approval.

Regarding services to community, 5 *contracts for specialized services* (one less than previewed) were established with, namely: Comissão Vitivinícola da Região do Vinho Verde (Evaluation of the productive and qualitative potential of minority grape varieties in the region of Vinho Verde); Ministério do Trabalho, Solidariedade e Segurança Social, Administração Regional de Saúde do Norte I.P. (Lab Covid19 protocols for detection of SARS-CoV-2 by molecular methodology, RT-

PCR); Quinta da Aveleda, S.A. (Microvinification assays at the Experimental Winery of ESA-IPVC); Consórcio Minho Inovação (Structuring, valuing and promoting endogenous products from Minho) (Elaboration of the Referential of specifications for *Arroz de Pica no Chão de Vila Verde*); Leal & Soares, S.A.- Siro- Sistemas Integrados de Reciclagem Orgânica (Assays in polyphenols contents in pine bark and pine bark humus/substrates).

15 master graduates, supervised by CISAS members, were achieved, as previewed.

The other non-achievement was in *Master's students running grants*, just two, instead 7. However, several MSc. students were and are integrated in running R&D financed projects or non-funding CISAS research lines, without attributed grants but being an indicator of CISAS objectives, regarding the initiation and scientific integration of young students in CISAS R&D activities, revealing a strong articulation with teaching/training projects. Also not placed in Table 7, but mentioned before in the achieved objectives, 2 long-term Research Initiation Grants (BIC) were attributed within (TECH and NUTRIR financed projects) and 2 short-term within the FCT initiative "Verão com Ciência".

Table 7. CISAS previewed/achieved outputs - 2021		
Activities	AP 2021	RA 2021
Publications		
Books/book chapter	10	30
Articles in international indexed journals	20	35
Articles in national journals and technical journals	30	12
Communications in congresses/seminars		
Oral presentation		
International	10	28
National	40	58
Poster presentation		
International	30	29
National	50	24
Congresses/seminars organization		
International	2	1
National	3	3
R&D new running projects		
International	2	0
National	4	3
Contracts for specialized services		
	6	5
Master's thesis completed		
	15	15
Grants running in 2021		
PhD Students	4	5
PhD researchers *	0	2
Master Students	7	2
PhD contracts		
	4	4

*In 2021 Activities Plan 4 PhD contracts previewed were placed as grants and only postdoc grants should be considered here

Table 8. Quartiles ranking (JCR and SJR)						
Indexing	Total	Q1	Q2	Q3	Q4	N/A
JCR	23	8	6	4	2	3
SJR	29	11	10	3	5	

Individual member's research activities are reported for integrated and collaborators are listed in Appendix 1.

Appendix 1 - Compilation of individual members research activities outputs

1. Publications

1.1 Articles indexed JCR and SCOPUS (22)

- Barradas, P. F., Mesquita, J. R., **Mateus, T. L.**, Ferreira, P., Amorim, I., Gärtner, F. & de Sousa, R. (2021). Molecular detection of *Rickettsia* spp. in ticks and fleas collected from rescued hedgehogs (*Erinaceus europaeus*) in Portugal. *Experimental & Applied Acarology*, 83(3), 449–460. <https://doi.org/10.1007/s10493-021-00600-y> (SJR FI, Q: 0.54; 2) (JCR FI, Q: 1,812; 1)
- Bovo, S., Schiavo, G., Ribani, A., Utzeri, V.J., Taurisano, V., Ballan, M., Muñoz, M. Alves, E., **Araújo, J.P.**, Bozzi, R., Charneca, R., Di Palma, F., Etherington, G., Fernandez, A.I., García, F., García-Casco, J., Karolyi, D., Gallo, M., Gvozdanović, K., Martins, J.M., Mercat, M.-J., Núñez, Y., Quintanilla, R., Radović, Č., Razmaite, V., Racquet, J., Savić, R., Škrlep, M., Usai, G., Zimmer, C., Ovilo, C. & Fontanesi, L. (2021). Describing variability in pig genes involved in coronavirus infections for a One Health perspective in conservation of animal genetic resources. *Scientific Reports*, 11, (3359). <https://doi.org/10.1038/s41598-021-82956-0> (SJR FI, Q: 1.24; 1) (JCR FI, Q: 5,228; 1)
- Brito, N.V.**, Lopes, J.C., Ribeiro, V., Dantas, R. & Leite, J.V., (2021). Small Scale Eggs Production: The Challenge of Portuguese Autochthonous Chicken Breeds. *Agriculture*, 11(9), 818. <https://doi.org/10.3390/agriculture11090818> (SJR FI, Q: 0.53; 2) (JCR FI, Q: 2,925; 1)
- Brito, N.V.**, Lopes, J.C., Ribeiro, V., Dantas, R. & Leite, J.V., (2021). Biometric Characterization of the Portuguese Autochthonous Hens Breeds. *Animals*, 11(2), 498. <https://doi.org/10.3390/ani11020498> (SJR F.I., Q: 0.58, 1) (JCR FI, Q: 1,654; n/a)
- Cortez Nunes, F., **Letra Mateus, T.**, Teixeira, S., Barradas, P., de Witte, C., Haesebrouck, F., Amorim, I., & Gärtner, F. (2021). Presence of *Helicobacter pylori* and *H. suis* DNA in Free-Range Wild Boars. *Animals*, 11(5), 1269. <https://doi.org/10.3390/ani11051269> (SJR F.I., Q: 0.58, 1) (JCR FI, Q: 1,654; n/a)
- Costa-Santos, M., Mariz-Ponte, N., Dias, M.C., **Moura, L.**, Marques, G., Santos, C. (2021). Effect of *Bacillus* spp. and *Brevibacillus* sp. on the Photosynthesis and Redox Status of *Solanum lycopersicum*. *Horticulturae*, 7(2), 24. <https://doi.org/10.3390/horticulturae7020024> (SJR F.I., Q: 0.62, 1) (JCR FI, Q: 2,331;1)
- Delgado-Baquerizo, M., Eldridge, D. J., Liu, Y. R., Sokoya, B., Wang, J. T., Hu, H. W., Ji-Zheng, H. E., Bastida, F., Moreno, J. L., Bamigboye, A.R., Blanco-Pastor, J. L., **Cano-Díaz, C.**, Illán, J. G., Makhalyane, T. P., Siebe, C., Zaady, P. T., Verma, X. P., Wang, L., Wang, J., Grebenc, T., Peñalosa-Bojacá, G. F., Nahberger, T. U., Teixido, A.L., Zhou, X., Berdugo, M., Duran, J., Rodríguez, A. Zhou, X., Alfaro, F., Abades, S., Plaza, C., Rey, A., Singh, X.K., Tedersoo, L., & Fierer, N. (2021). Global homogenization of the structure and function in the soil microbiome of urban greenspaces. *Science Advances*, 7(28). <https://doi.org/10.1126/sciadv.abg5809> (SJR FI; Q: 5.93; 1) (JCR FI, Q: 14,143; 1)
- Fernandes, P.**, Ferreira, F., Morais, O., Ramos, C., Fernandes, E., Rocha, S., **Rocha, R.**, Monteiro, V., Vilar, S., Romão, A. & **Alves, M.** (2021). Performance of saliva as a specimen to detect SARS-CoV-2. *Journal of Clinical Virology*. 142, 104913. <https://doi.org/10.1016/j.jcv.2021.104913> (SJR FI, Q: 1.43; 1) (JCR FI, Q: 3,168; 3)
- Fernandes, S., Dinis-Carvalho & **Ferreira-Oliveira, A.T.** (2021). Improving the performance of student teams in Project-based Learning with Scrum. *Education Sciences. Special Issue on Student Preferences and Satisfaction: Measurement and Optimization*. 11(8), 444. <https://doi.org/10.3390/educsci11080444> (SJR FI; Q: 0.45; 2) (JCR FI, Q: 1,03; 2)
- García, R.R., Peric, T., Cadavez, V., Geß, A., **Cerqueira, J.O.L.**, Gonzales-Barrón, U. & Baratta, M., (2021). Arthropod biodiversity associated to European sheep production systems.

Small Ruminant Research, 205, 106536.
<https://doi.org/10.1016/j.smallrumres.2021.106536> (SJR FI, Q: 0.52; 2) (JCR FI, Q: 1,611; 3)

Madureira, T., Nunes, F., Veiga, J. & Saralegui-Diez, P. (2021). "Choices in Sustainable Food Consumption: How Spanish Low Intake Organic Consumers Behave". *Agriculture*, 11, 1125. <https://doi.org/10.3390/agriculture11111125> (SJR FI, Q: 0.53; 2) (JCR FI, Q: 2,925; 1)

Mariz-Ponte, N., Regalado, L., Gimranov, E., Tassi, N., **Moura, L.,** Gomes, P., Tavares, F., Santos, C. & Teixeira, C. A. (2021). Synergic Potential of Antimicrobial Peptides against *Pseudomonas syringae* pv. *actinidiae*. *Molecules*. 26(5), 1461. <https://doi.org/10.3390/molecules26051461> (SJR FI, Q: 0.78; 1) (JCR FI, Q: 4,412; 2)

Martins, V. **Alves, M.R. & Pinheiro, R.** (2021) Analysis of microstructure and texture of gluten- and lactose-free cereal bars, produced with different hydrocolloids and drying temperatures and no-added sugar. *Journal of Food Processing and Preservation*. 45(4), e15238. <https://doi.org/10.1111/jfpp.15238>. (SJR FI, Q: 0.51; 2) (JCR FI, Q: 2,190; 3)

Mata, F. & Mata, P. (2021). Nesting preferences of the green sea turtle (*Chelonia mydas* L.) and the hawksbill sea turtle (*Eretmochelys imbricata* L.) in the SW of Mahe island in the Seychelles. *Animal Biodiversity and Conservation*. (epub ahead of print). <https://doi.org/10.32800/abc.2022.45.0023> (SJR FI, Q: 0.39; 3) (JCR FI, Q: 1,0; 4)

Mata, F. (2021). A Framework for Using Epidemiology in Animal Welfare Science. *Journal of Applied Animal Welfare Science*. (epub ahead of print) <https://doi.org/10.1080/10888705.2021.1981902> (SJR FI, Q: 0.37; 2) (JCR FI, Q: 1,440; 3)

Mateus, T. L., Gargaté, M. J., Vilares, A., Ferreira, I., Rodrigues, M., Coelho, C., & Vieira-Pinto, M. (2021). First Report of *Echinococcus ortleppi* in Free-Living Wild Boar (*Sus scrofa*) from Portugal. *Microorganisms*, 9(6), 1256. <https://doi.org/10.3390/microorganisms9061256>. (SJR FI, Q: 0.86; 2) (JCR FI, Q: 4,128; 2)

Nunes, F., Madureira, T. & Veiga, J., (2021). The Organic Food Choice Pattern: Are Organic Consumers Becoming More Alike? *Foods*, 10(5), 983, <https://doi.org/10.3390/foods10050983> (SJR FI, Q: 0.77; 1) (JCR FI, Q: 4,35; 2)

Pinto, L., Veloso, A., **Ferreira-Oliveira, A.T. & Silva, I.** (2021). A influência do work engagement e da confiança, na transferência de conhecimento tácito: uma proposta de modelo. *Estudios Gerenciales*. 37(161), 610-621. <https://doi.org/10.18046/j.estger.2021.161.4545> (SJR FI, Q: 0,14; 4) (JCR FI, Q: 0,14; 4)

Rocha, R., Vaz Velho, M., Santos, J. & Fernandes, P. (2021). Serra da Estrela PDO cheese microbiome as revealed by next generation sequencing. *Microorganisms*. 9(10), 2007. <https://doi.org/10.3390/microorganisms9102007> (SJR FI, Q: 0.86; 2) (JCR FI, Q: 4,128; 2)

Schiavo, G., Bovo, S., Muñoz, M., Ribani, A., Alves, E., **Araujo, J.P.,** Bozzi, R., Čandek-Potokar, M., Charneca, R., Fernandez, A.I., Gallo, M., García, F., Karolyi, D., Margueta, V., Martins, J.M., Mercat, M.J., Núñez, Y., Quintanilla, R., Radovic, C., Razmaite, V., Riquet, J., Savic, R., Usai, G., Utzeri, V.J., Zimmer, C., Ovilo, C. & Fontanesi, L. (2021). Runs of homozygosity provide a genome landscape picture of inbreeding and genetic history of European autochthonous and commercial pig breeds. *Animal Genetics*, 52(2), 155-170. <https://doi.org/10.1111/age.13045> (SJR FI, Q: 0.76; 1) (JCR FI, Q: 3,169; 1)

Silva, S. P., Valín, M. I., Mendes, S., Araujo-Paredes, C. & Cancela, J. J. (2021). Dual Crop Coefficient Approach in *Vitis vinifera* L. cv. Loureiro. *Agronomy*, 11(10), 2062. <https://doi.org/10.3390/agronomy11102062> (SJR FI, Q: 0.71; 1) (JCR FI, Q: 3,417; 1)

Silva, S.R., **Araujo, J.P.,** Guedes, C., Silva, F., Almeida, M. & **Cerqueira, J.L.** (2021). Precision Technologies to Address Dairy Cattle Welfare: Focus on Lameness, Mastitis and Body Condition. *Animals*, 11, 2253. <https://doi.org/10.3390/ani11082253> (SJR FI, Q: 0.58, 1) (JCR FI, Q: 1,654; n/a)

1.2 Articles indexed SCOPUS (7)

- Calheiros, A., Santos, J., Ramos, C. & Vasconcelos, M., Fernandes, P. (2021). Ambient Air Waste Sorting Facilities Could Be a Source of Antibiotic Resistant Bacteria, *Microbiology Biotechnology Letters*. 49(3), 367–373. <http://dx.doi.org/10.48022/mbl.2102.02005> (SJR FI, Q: 0,15; 4)
- Costa S., Sousa P. & Pinheiro, R. (2021). Valorisation of Vegetables from the Northern Portugal Through Drying: Study of the Effect of Different Drying Methods on Texture, Colour and Physicochemical Properties, *Chemical Engineering Transactions*, 87, 187-192. <https://doi.org/10.3303/CET2187032> (SJR FI, Q: 0,27; 3)
- Pereira Pinto, R. & Vaz-Velho M. (2021). A perspective of the Portuguese consumer awareness, beliefs and preferences towards piglet castration methods and its implications on the meat quality. *Agronomy Research*, 19(3), 1273-1284. <https://doi.org/10.15159/AR.21.078> (SJR FI, Q: 0,37; 2)
- Pinto, R., Brito, L. M., Gonçalves, F., Mourão, I., Torres, L. & Coutinho, J. (2021). Lettuce growth and nutrient uptake response to winery waste compost and biochar. III International Symposium on Growing Media, Composting and Substrate Analysis. *Acta Horticulturae*, 1305, 233-240. <https://doi.org/10.17660/ActaHortic.2021.1305.32> (SJR FI, Q: 0,18; 4)
- Pinto, R., Brito, L.M., Gonçalves, F., Mourão, I., Torres L. & Coutinho, J. (2021). Recycling wastes from Douro wine industry by composting. III International Symposium on III International Symposium on Growing Media, Composting and Substrate Analysis. *Acta Horticulturae*, 1305, 285-292. <https://doi.org/10.17660/ActaHortic.2021.1305.39> (SJR FI, Q: 0,18; 4)
- Reis, R. & Vaz-Velho, M. (2021). The Effect of Different Lycopene Dyeing Solutions on Rice Colour Stability. *Chemical Engineering Transactions*, 87, 523-528. ISBN 978-88-95608-85-3. <https://doi.org/10.3303/CET2187088> (SJR FI, Q: 0,27; 3)
- Valín, M.I., Araújo-Paredes, C., Mendes, S., Dafonte, J., Alonso, J., Rodrigues, A.S. & Cancela, J.J. (2021). Training systems evaluation of *Vitis vinifera* L. 'Alvarinho' (Vinhos Verdes PDO region) to physiological and productive parameters. *Acta Horticulturae*, 1314, 375-382. <http://dx.doi.org/10.17660/actahortic.2021.1314.47> (SJR FI, Q: 0,18; 4)

1.3 Articles indexed JCR (1)

- Coura, R.D., Rodrigues, A.C. Alonso, J.M., Ferraz, A., Brito, L.M., Abrantes, J. & Brito, A.G. (2021). Optimization of struvite precipitation in raw substrates: a strategy to overcome C/N ratio unbalance in nitrogen-rich anaerobic co-digestion systems. *Sustainability*, 13, 2175. <https://doi.org/10.3390/su13042175> (JCR FI, Q: 3,251; 2)

1.4 Articles indexed to other international indexed journals (5)

- Cortez Nunes, F., Mateus, T. L., Teixeira, S., Barradas, P. F., Gärtner, F., Haesebrouck, F. & Amorim, I. (2021). Molecular Detection of Human Pathogenic Gastric Helicobacter Species in Wild Rabbits (*Oryctolagus cuniculus*) and Wild Quails (*Coturnix coturnix*). *Zoonotic Diseases*, 1(1), 42–50. <http://dx.doi.org/10.3390/zoonoticdis1010005>
- Fialho, S., Martins, A. C. & Almeida, J. (2021). Sedentary work and anthropometric assessment in workers at a polytechnic higher education institution in Portugal. *Acta Scientific Nutritional Health*, 5(4). <https://www.actascientific.com/ASNH/pdf/ASNH-05-0853.pdf>
- Lafuente, A. & Cano-Díaz, C. (2021). Can Methane-Eating Bacteria in Drylands Help Us Reduce Greenhouse Gases? *Frontiers for Young Minds*. <https://doi.org/10.3389/frym.2021.556361>
- Sá-Marta, M., Marques, M., Figueiredo, J., Faria, A., Loureiro, H. & Fialho, S. (2021). Matafome, P. Dietary Imbalance between Natural and Added Nutrient Sources Is Associated with Higher Fat Mass in Young Non-Obese Individuals. *Diabetology*, 2, 95–106. <https://doi.org/10.3390/diabetology2020008>

Veloso, A., Roque, H., **Ferreira, A.T.** & Gomes, J. (2021). Características psicométricas de uma medida adaptada de comportamento inovador no trabalho. *Revista Brasileira de Gestão de Negócios*, 23(1), 141-152. <https://doi.org/10.7819/rbgn.v23i1.4093>

1.5 Articles in national technical and scientific Journals (12)

Barbosa, C. & Alves, M.R. (2021). A carne – Dossier A revolução da carne. *TecnoAlimentar*, 26, 14. <http://www.tecnoalimentar.pt/noticias/tecnoalimentar-26-aborda-a-revolucao-e-inovacao-na-industria-carnica/>

Barbosa, C. & Alves, M.R. (2021). A multidisciplinidade e a constante dinâmica da Segurança alimentar – Dossier: Segurança alimentar. *TecnoAlimentar*, 29,6-7. <http://www.tecnoalimentar.pt/noticias/seguranca-alimentar-e-tema-principal-da-ta29/>

Barbosa, C. & Alves, M.R. (2021). Azeite, Óleos e Gorduras alimentares – Dossier dedicado ao setor dos Azeites e Óleos Alimentares. *TecnoAlimentar*, 28,16. <http://www.tecnoalimentar.pt/noticias/tecnoalimentar-28-aborda-os-azeites-e-oleos-alimentares/>

Barbosa, C. & Alves, M.R. (2021). Embalagem e distribuição alimentar. Em Dossier Embalagem e distribuição alimentar. *TecnoAlimentar*, 27,6-7. <http://www.tecnoalimentar.pt/noticias/tecnoalimentar-27-aborda-embalagem-e-distribuicao-alimentar/>

Barros, R. & **Mateus, T. L.** (2021). O futuro da produção animal – mesmo intensiva – passa pela sustentabilidade. *Agrotec - revista técnico-científica*. 39, 8-11. https://www.researchgate.net/publication/356840233_O_FUTURO_DA_PRODUCAO_ANIMAL_-MESMO_INTENSIVA_-PASSA_PELA_SUSTENTABILIDADE

Cerqueira, J.O.L. (2021). "Contraste leiteiro na monitorização e valorização do bem-estar animal em vacas leiteiras". *Espaço Rural*, 142, 24-26.

Cerqueira, J.O.L. (2021). "Longevidade em vacas leiteiras - principais fatores". *AGROS* 45, 6-8.

Franca, M.I., Waterland, C. & **Mateus, T.L.** (2021). A febre do vírus do Nilo Ocidental – uma zoonose a monitorizar. *Agrotec - revista técnico-científica*. 40, 12-14. <http://www.agrotec.pt/noticias/agrotec-40-questiona-solos-que-praticas-visam-mais-sustentabilidade/>

Martins, F., Viana, M., Magalhães, V. & **Mateus, T. L.** (2021). Porque é tão importante cuidarmos também dos animais selvagens? *Agrotec - revista técnico-científica*. 38, 17-21. https://www.researchgate.net/publication/356840141_PORQUE_E_TAO_IMPORTANTE_CUIDARMOS_TAMBEM_DOS_ANIMAIS_SELVAGENS

Mendes, A.M.V. & **Mateus, T.L.** (2021). Utilização da planta Ora-Pro-Nóbis (*Pereskia aculeata*) na alimentação humana e animal. *Tecnoalimentar – revista técnico-científica*. 29, 36-38. <http://www.tecnoalimentar.pt/noticias/seguranca-alimentar-e-tema-principal-da-ta29/>

Pinto, R. & Brito, L.M. (2021). A importância da matéria orgânica na produtividade dos solos. *Agrotec, dossier solos e produtividade*, 22-25. <http://www.agrotec.pt/noticias/a-importancia-da-materia-organica-na-produtividade-dos-solos-estudo-de-caso-em-horticultura-biologica-bibliografia/>

Vieira, C., Tinoco, D. & **Mateus, T. L.** (2021). *Dermanyssus gallinae* um diabo vermelho nos aviários, nos galinheiros e nas nossas casas. *Agrotec - revista técnico-científica*. 41, 6-8. <http://www.agrotec.pt/noticias/agrotec-41-apresenta-poda-para-otimizacao-da-producao-fruticola/>

1.6 Books (13)

Barbosa, A., Gomes, C., Mendes, F., Simões, H., Joaquim, J., **Vasconcelos Pinto, M.**, Servo, P. & Lopes, R. (2021). Alojamento social em contexto COVID 19. (1ª ed.). Escola Superior de Tecnologia da Saúde de Coimbra. ISBN 978-989-8252-59-3 (e-book). https://doi.org/10.34642/ipc_cr1k-2j57

- Barbosa, A., Gomes, C., Mendes, F., Simões, H., Joaquim, J., **Vasconcelos Pinto, M.**, Servo, P. & Lopes, R. (2021). Eventos científicos e culturais em contexto COVID 19. (1ª ed.). Escola Superior de Tecnologia da Saúde de Coimbra. ISBN 978-989-8252-58-6 (e-book). https://doi.org/10.34642/ipc_9j4m-9s36
- Barbosa, A., Gomes, C., Mendes, F., Simões, H., Joaquim, J., **Vasconcelos Pinto, M.**, Servo, P. & Lopes, R. (2021). Restauração coletiva e social em contexto COVID 19. (1ª ed.). Escola Superior de Tecnologia da Saúde de Coimbra. ISBN 978-989-8252-57-9 (e-book). https://doi.org/10.34642/ipc_5wwa-w417
- Barbosa, A., Gomes, C., Mendes, F., Simões, H., Joaquim, J., **Vasconcelos Pinto, M.**, Servo, P. & Lopes, R. (2021). Social and collective restoration in the context of COVID 19. (1st Ed.). Coimbra: Escola Superior de Tecnologia da Saúde de Coimbra. ISBN 978-989-8252-60-9 (e-book) https://doi.org/10.34642/ipc_3h2x-h184
- Brito, N.V.**, A. Gouveia, J. Leite, V. Ribeiro, J. Mota Alves & R. Dantas (2021). Ovelhas do Minho. Ed. Camara Municipal de Ponte de Lima, Portugal. ISBN 987-972-8846-90-9
- Nogueira, J., Simões, S., **Araújo, J.P.**, Santos, J.C. & Santos, A. (2021). Agro-Silvo-Pastorícia, Floresta e Biodiversidade. Montanha do Alto Minho In Loco Arcos de Valdevez: ARDAL (Associação Regional de Desenvolvimento do Alto Minho). ISBN: 978-989-54213-9-8 http://www.aconteceinloco.altominho.pt/fotos/editor2/aconteceinloco/agro_silvo_pastorici_aflorestaebiodiversidade_montanhadoaltominhoainloco2.pdf
- Nogueira, J., Simões, S., **Araújo, J.P.**, Santos, J.C. & Santos, A. (2021). Governança Territorial. Montanha do Alto Minho In Loco. Arcos de Valdevez: ARDAL (Associação Regional de Desenvolvimento do Alto Minho). ISBN: 978-989-54213-2-9 http://www.aconteceinloco.altominho.pt/fotos/editor2/aconteceinloco/governancaterritorial_montanhadoaltominhoainloco4.pdf
- Nogueira, J., Simões, S., **Araújo, J.P.**, Santos, J.C. & Santos, A. (2021). Montanhas Vivas-Comunidades resilientes. Arcos de Valdevez: ARDAL (Associação Regional de Desenvolvimento do Alto Minho). ISBN: 978-989-54213-7-4 http://www.aconteceinloco.altominho.pt/fotos/editor2/aconteceinloco/montanhasvivascom_unidadesresilientes.pdf
- Nogueira, J., Simões, S., **Araújo, J.P.**, Santos, J.C. & Santos, A. (2021). Turismo Sustentável. Montanha do Alto Minho In Loco. Arcos de Valdevez: ARDAL (Associação Regional de Desenvolvimento do Alto Minho). ISBN: 978-989-53205-0-9 http://www.aconteceinloco.altominho.pt/fotos/editor2/aconteceinloco/turismosustentavel_montanhadoaltominhoainloco3.pdf
- Nogueira, J., Simões, S., **Araújo, J.P.**, Santos, J.C. & Santos, A. (2021). Viver e Trabalhar. Montanha do Alto Minho In Loco. Arcos de Valdevez: ARDAL (Associação Regional de Desenvolvimento do Alto Minho). ISBN: 978-989-54213-8-1 <https://pt.calameo.com/read/001994515170b1d0aef25>
- Ramos, S., **Araújo, J.P.**, **Cerqueira, J.L.**, **Pires, P.** & Vinagre, J., (2021). O Cabrito Biológico da Serra do Gerês. Terras de Bouro, Portugal: Edição Município de Terras de Bouro. ISBN: 978-989-54982-5-3
- Rodrigues, J. R.** (2021). Enxertia de árvores de fruto. Ed. Instituto Politécnico de Viana do Castelo, Portugal. ISBN: 978-989-54883-3-9
- Valín M.I.**, Rodrigues, A.C. & **Brito, L.M.** (2021). De Mosteiro a Escola, ESA-IPVC. Ed. Oficina das edições José Pastor. ISBN: 978-989-53359-1-6

1.7 Book chapters (17)

- Araújo, J.P. & Cerqueira, J.L.**, (2021). Produção de caprinos em Terras de Bouro. In *O Cabrito Biológico da Serra do Gerês*, (pp. 15-45) Terras de Bouro, Portugal: Edição Município de Terras de Bouro. ISBN: 978-989-54982-5-3
- Azevedo, A., **Rocha, R.** & Dias, N. (2021). Flow-FISH Using Nucleic Acid Mimic Probes for the Detection of Bacteria. In Almeida, C. & Azevedo, N. F. (Eds), *Fluorescence in situ*

Hybridization (FISH) for Microbial Cells. Methods in Molecular Biology, vol. 2246 (pp. 263 – 277). New York, USA: Humana. Print ISBN 978-1-0716-1114-2, Online ISBN 978-1-0716-1115-9 https://doi.org/10.1007/978-1-0716-1115-9_17

- Barbosa, C. Machado, TB., Alves, M.R. & Oliveira, MBPP** (2021). Fresh-Cut Bell Peppers in Modified Atmosphere Packaging: Improving Shelf Life to Answer Food Security Concerns. In Giampietro, L. (Ed.), *Prime Archives in Molecular Sciences: 2^a ed.* (pp. 1- 36). Hyderabad, India: Vide Leaf. ISBN: 978-81-953047-1-4 <https://videleaf.com/product/prime-archives-in-molecular-sciences-2nd-edition/>
- Barros, D. & Vaz-Velho, M.** (2021). Avaliação do efeito da redução de sal e aplicação de extrato de casca de pinheiro sobre o tempo de armazenamento de carapau fumado (*Trachurus trachurus*). In De Donato M., González-Henríquez N., Rey-Méndez M., Baltazar-Guerrero P. M., Sonnenholzner J., Alió Mingo, J.J., Lodeiros C. (eds.) *Book of Proceedings X Foro Iberoamericano de los Recursos Marinos y la Acuicultura- Sinergia entre ciencia e industria para el desarrollo y la sostenibilidad*, 10, (pp. 970-987). Las Palmas, España: Ediciones AFRIMAR-AFIRMA. ISBN: 978-84-09-32773-7 <https://doi.org/10.5281/zenodo.5164441>
- Curado, A. & **Rodrigues, A.S.** (2021). Mobilidade Sustentável-IPVC. In Pontes, A.S., Matias, C., Pile, M. & Valente, R.P. (ed.) *SUSTENTABILIDADE - Objetivos de Desenvolvimento Sustentável (ODS) nas práticas das Instituições de Ensino e Formação*. 1.^a ed. (pp. 198-202). Caparica, Portugal: Instituto Português da Qualidade. ISBN 978-972-763-182-7 (ebook) http://www1.ipq.pt/PT/SPQ/ComissoesSectoriais/CS11/Documents/E_book_Sustentabilidade_CS11/Publicacao_Ebook_Sustentabilidade_CS11/2021_ebook_sustentabilidade_cs_11_ipq.pdf
- Ferraz, A.I, **Afonso, I. Rodrigues, A.S.**, Alonso, J., **Mendes, S.**, Vale, A. V., Domingues, J., Alves, M., Senra, E., Ribeiro, E., Oliveira, C., Pais, S., Figueiredo, S. & Rodrigues, A.C. (2021). Valorização de subprodutos do setor vitivinícola: produção de substratos para cogumelos e óleo de grainha de uva. In Câmara Municipal de Viana do Castelo (Ed(s).), *10 Anos de Encontros Vínicos do Vinho Verde* (pp. 299-303). Viana do Castelo, Portugal: Câmara Municipal de Viana do Castelo, Ordem dos Engenheiros. ISBN: 491832/21 file:///C:/Users/fjrma/Downloads/Valorizaodesubprodutos_EncontrosvinicosdoVinhoVerde_2019.pdf
- Mourão, I.M. & **Brito, L.M.** (2021). Alterações climáticas e agricultura biológica. In Ferreira, J., Cunha-Queda, A. C., Hickel, D., Marques, G., Mourão, I. M., Brito, L. M. (eds.) *Boas Práticas Agrícolas para o Solo e para o Clima* (pp. 37-64). Porto, Portugal: Quântica Editora. ISBN: 9789899017511 <https://www.quanticaeditora.pt/livros/agricultura-biologica-boas-praticas-agricolas-para-o-solo-e-para-o-clima/>
- Nogueira, J., Simões, S., **Araújo, J.P.**, Santos, J.C. & Santos, A. (2021). Aldeias vivas. In Nogueira, J., Simões, S., Teixeira, P. & Santos, A. (eds.) *Acontece in loco- Dias de campo* Porto, Portugal: ARDAL (Associação Regional de Desenvolvimento do Alto Minho (edição) *Acontece in loco- Dias de campo*. Montanha do Alto Minho In Loco. ISBN: 978-989-54213-4-3. <https://pt.calameo.com/read/001994515781c8903f883>
- Oliveira, A.T & Rodrigues, A.S.** (2021). Escola Inclusiva IPVC. In Pontes, A.S., Matias, C., Pile, M., Valente, R.P. *SUSTENTABILIDADE - Objetivos de Desenvolvimento Sustentável (ODS) nas práticas das Instituições de Ensino e Formação*. 1.^a Ed., (pp. 105-109). Caparica, Portugal: IPQ. ISBN 978-972-763-182-7 (ebook) http://www1.ipq.pt/PT/SPQ/ComissoesSectoriais/CS11/Documents/E_book_Sustentabilidade_CS11/Publicacao_Ebook_Sustentabilidade_CS11/2021_ebook_sustentabilidade_cs_11_ipq.pdf
- Rocha, R.**, Almeida, C. & Azevedo, N. F. (2021). FISH in food samples. In Almeida, C. & Azevedo, N. F. (Ed(s).), *Fluorescence in situ Hybridization (FISH) for Microbial Cells. Methods in Molecular Biology* (pp. 279 – 290). New York, USA: Humana. (Print) ISBN 978-1-0716-1114-2, (Online) ISBN 978-1-0716-1115-9 https://doi.org/10.1007/978-1-0716-1115-9_18
- Rodrigues, A.S., Oliveira, A.T.**, Morais, C. Rodrigues, H.S. Nogueira, J. & Simões, S. (2021). Escola Inclusiva IPVC: cocriação, olhares e vozes de estudantes. In Andrade, C., Fernandes, J. L., Coimbra, S. e Fonseca. Gonçalves, S., (eds.) *Estratégias de Ensino e Sucesso Académico: Boas Práticas no Ensino Superior- A voz dos estudantes no Ensino*

Superior. Vol. 12, (pp. 107-122). Coimbra, Portugal: CINEP/IPC. (Print) ISBN: 978-989-53180-2-5 (Online) ISBN: 978-989-53180-3-2 <https://www.ipc.pt/ipc/wp-content/uploads/2021/08/A-voz-dos-estudantes-no-ES.pdf>

Rodrigues, R. (2021). Kiwi – Manual de boas práticas de fruticultura. Ed. Frutas Legumes e Flores em parceria com INIAV, I.P. (Estação Nacional de Fruticultura Vieira Natividade) e COTR, Fascículo 9. (pp. 101-113). Oeiras, Portugal.

Vasconcelos-Pinto, M., Vaz-Velho, M. & Santos, J. (2021). Exposição ocupacional a agentes biológicos: atividades agrícolas e indústria de transformação de alimentos. In: Barbosa, F. (ed). *Ciências da Saúde: Uma abordagem holística*, Volume II. Capítulo 7 (pp. 109-126). Piracanjuba, Brasil: Editora Conhecimento Livre. ISBN 65-86-072 <https://drive.google.com/file/d/1gxAWjtuTLod0sqC6ir59X9Nnom7cX8MJ/view> <https://doi.org/10.37423/210203591>

Vasconcelos-Pinto, M., Vaz-Velho, M., Carla Ramos & Santos, J. (2021). Understanding Systemic Interactions and Feedbacks in a One-Health. In Arezes, Pedro M. & L. Boring, Ronald (Eds.) *Advances in Safety Management and Human Performance*. Proceedings of the AHFE 2021 Virtual Conferences on Safety Management and Human Factors, and Human Error, Reliability, Resilience, and Performance, July 25-29, 2021, USA. (pp. 272-278). Cham: Springer. ISBN 978-3-030-80288-2 https://link.springer.com/chapter/10.1007%2F978-3-030-80288-2_33

Vasconcelos-Pinto, M., Vaz-Velho, M. & Santos, J. (2021). Exposição ocupacional a agentes biológicos– caracterização da exposição ambiental e fomites na indústria de resíduos. Monteiro do Nascimento, In: Renan (Ed.), *Microbiologia: Clínica, Ambiental e Alimentos*, capítulo 6, (pp. 53-72). Ponta Grossa, Brasil: Atena. ISBN 978-65-5706-754-3 <https://doi.org/10.22533/at.ed.5432101206>

Vasconcelos-Pinto, M., Mendes, F., Gomes, C. & Joaquim, J. (2021). O impacto do SARS-CoV-2 no ensino superior português – A gestão da pandemia na Escola Superior de Tecnologia da Saúde de Coimbra, Portugal. In Barbosa, F. (Ed) *Ciências da Saúde: Uma abordagem holística*, Volume II, Capítulo 6 (pp. 90-108). Piracanjuba, Brasil: Editora Conhecimento Livre. ISBN 65-86-072. <https://doi.org/10.37423/210203590> <https://drive.google.com/file/d/1gxAWjtuTLod0sqC6ir59X9Nnom7cX8MJ/view>

Valín, I., Araújo-Paredes, C., Rodrigues, A.S. & Mendes, S. (2021). Gestão da água na vinha – Novas Tecnologias. In Câmara Municipal de Viana do Castelo (Eds.), *10 Anos de Encontros Vínicos do Vinho Verde* (pp.305-308). Viana do Castelo, Portugal: Câmara Municipal de Viana do Castelo, Ordem dos Engenheiros. ISBN: 491832/21

2. Participation in congresses, conferences and seminars

2.1 Oral presentations

2.1.1 International (28)

Almeida, F. & Nunes, F. (2021, September, 6). Participatory Guarantee Systems in Portugal. Organic World Congress 2021 Pre-conference “30 Years of PGS Development: a Root and Branch Appraisal”. IFOAM – Organics International, CIRAD and Nature et Progrés. (4) [\(PDF\) Participatory Guarantee Systems in Portugal \(researchgate.net\)](#)

Araújo-Paredes, C., Portela, F., Mendes, S. & Valín, M.I. (2021, November, 11-12). Avaliação do estado hídrico da cultura da vinha com base em técnicas de termografia e veículo aéreos não tripulado. XI Congresso Ibérico de Agroingeniería, <https://funge-uva.symposium.events/60974/detail/xi-congreso-iberico-de-agroingenieria.html>

Brito, Nuno V. & Silva, C. (2021, July 1-3). Formar para Conhecer. 1º Congresso Internacional de Equinologia e Turismo Equestre. Viana do Castelo, Portugal. <https://asset.skoiy.com/a6e66712e23e7657db1c9e8aa6c4d037/qahamgpevkns.pdf>

Cerqueira, J.L., (2021, March, 6-7). Monitorização e prevenção do stresse térmico em vacas leiteiras face às alterações climáticas. XXIII Jornadas Internacionais de Medicina Veterinária da UTAD, Vila Real, Portugal.

<https://aemvutad.wixsite.com/aemvutad/jornadas-internacionais?lightbox=datatem-kmerf2pr>

- Cerqueira, J.L.**, Sousa, J., Cruz, L., Blanco-Penedo, I., Cantalapiedra, J. & **Araújo, J.P.**, (2021, June, 1-2). Evaluación de la productividad, alojamiento y criterios de selección genética en ganaderías Holstein Frísia del Norte de Portugal. XIX Jornadas sobre Producción Animal, Zaragoza, Spain. https://www.aida-itea.org/aida-itea/files/jornadas/2021/Programa%20XIX%20Jornadas%20Sobre%20Producci%C3%B3n%20Animal_def%2001jun.pdf
- Costa S., Sousa P. & **Pinheiro R.**, (2021, May, 23-26). Valorisation of Vegetables from the Northern Portugal Through Drying: Study of the Effect of Different Drying Methods on Texture, Colour and Physicochemical Properties. EFF2021 - the 3rd International Conference on Engineering Future Food, AIDIC. Naples, Italy. <https://www.aidic.it/eff2021/programma/pro.html>
- Costa, S.R., Vieira dos Santos, M.C., Almeida, M.T., **Brito, L.M.**, **Moura, L.**, Mathesius, U. & Mourão, I. (2021, September, 21). Ecología e manejo sostenible de nematodos en agricultura ecológica. Jornadas virtuales REDIAO: Manejo de insectos, arvenses y enfermedades de los cultivos orgánicos. https://www.researchgate.net/publication/358270468_Ecologia_e_manejo_sostenible_de_nematodos_en_agricultura_ecologica
- Lobo, C., **Ferreira-Oliveira, A.T.**, Fernandes, S. & Abelha, M. (2021, July, 7-9). Learning and knowledge – skills that enhance business internationalization. TAKE 2021 Theory and Applications in the Knowledge Economy- The Knowledge Economy in the Covid-19 Era. Portugal. https://take-conference2021.com/wp-content/uploads/2021/06/TAKE2021_ProgramONLINEjune28.pdf
- Madureira, T.**, **Nunes, F.** & Veiga, J. (2021, November, 10-12). The Organic Food Choice Pattern: Are Organic Consumers Becoming More Alike? 4th ISEKI-Food E-conference: Food Texture, Quality Safety and Biosecurity in the Global Bioeconomy. Agroprint. <https://www.researchgate.net/publication/358263719>
- Mateus, T.L.**, Audibert, P., Pereira, A., Carneiro, C., Martins, J.J. & Monzón, A. (2021, October, 1). Environmental contamination with gastrointestinal parasites of domestic and wild ungulates in Sabor region, Portugal – preliminar results. XII Reunião de Ungulados Silvestres Ibéricos. Vila Real, Portugal. <https://reuniaoungulados.wixsite.com/rusi/ayuda>
- Moura, L.**, Mourão, I., **Pinto, R.**, **Brito, L.M.**, Costa, R., **Rodrigues, R.**, Rego, R., Peixoto, V., **Valin, I.**, Mariz-Ponte, N. & Santos, C. (2021, September, 27-30). Effect of photo-selective nets on yield, fruit quality and Psa incidence in a 'Hayward' kiwi orchard. X International Symposium on Kiwifruit, ISHS. Yalova, Turkey, <https://www.kiwifruit2021.org/files/downloads/KIWI2021-Abstract-Book.pdf>
- Mourão, I., Costa, S.R., **Moura, L.**, Pinto, J., Carvalho, R.P., Sá, C.G. **Brito, L.M.** & Santos, M.C.V. (2021, December, 14-17). Rhizosphere interactions and management of root-knot nematodes by grafting and the biocontrol agent *Pochonia chlamydosporia* in tomato protected cultivation. III International Organic Fruit Symposium and I International Organic Vegetable Symposium, Catania, Italy. https://www.orghort2020.it/wp-content/uploads/2019/06/program_orghort_2020.pdf
- Mourão, I., Mouro, C.V., **Brito, L.M.**, Fernandes, L.P. & Almeida, T.C. (2021, September, 6-10). Benefits of therapeutic horticulture in institutionalized patients with mental health disorders within an organic environment. Organic World Congress, Rennes, 20th edition, France. <https://owc.ifoam.bio/2021/en>
- Nunes, F.**, **Madureira, T.**, Veiga, J. & Saralegui, P. (2021, November, 10-12). Choices in Sustainable Food Consumption: How (Low Intake) Organic Consumers Behave in a World-Leading Region of Organic Production. 4th ISEKI-Food E-conference: Food Texture, Quality Safety and Biosecurity in the Global Bioeconomy. https://www.researchgate.net/publication/358263719_Food_Texture_Quality_Safety_and_Biosecurity_in_the_Global_Bioeconomy_4th_ISEKI-Food_E-conference_Book_of_Abstracts

- Nunes, F.C., Teixeira, S., **Mateus, T.L.** & Amorim, I. (2021, October, 1). Gastric Helicobacters and gastric pathology in wild boars. XII Reunião de Ungulados Silvestres Ibéricos. Vila Real, Portugal. <https://reuniaoungulados.wixsite.com/rusi/ayuda>
- Oliveira M., Saraiva R., Saraiva, A., Dias, I., Macário, M., **Valin M.I.**, Mianda, P., Raimundo, D. (2021, October, 10-15). Digital solutions for the sustainability assessment of the agri-food value chain. 16th conference on sustainable development of energy water and environment systems <https://www.dubrovnik2021.sdewes.org/>
- Pinto, R., Valin, I., Brito, L.M.,** Rego, R., Cardoso, C.M., Ponte, N.M., Mourão, I., **Rodrigues, R. & Moura, L.** (2021, July, 4-8). Influence of irrigation and nitrogen fertilization on kiwi production. European Conference on Agricultural Engineering AgEng2021 conference: New Challenges for Agricultural Engineering towards a Digital World, Évora, Portugal. <https://ebook.ajnet.net/3d-flip-book/eurageng-2021-conference-new-challenges-for-agricultural-engineering-towards-a-digital-world/>
- Rodrigues A.S.** (2021, December, 10). Participation of students in internal assessment-Case study IPV. Webinar of Project QualEnv-Change the Climate: Assuring the Quality of Environmental Strategies in Latin-American Higher Education.
- Rodrigues, A.S.** (2021, October, 22-23). “Projeto IPVConcilia”, Painele de conferências, trabalho e saúde familiar. III Congresso Internacional de Enfermagem de Saúde Familiar/II Congresso Ibérico de Saúde Familiar/I Encontro Luso Brasileiro de Enfermagem de Família e Comunidade. <http://spesf.pt/congresso-2021-3>
- Rodrigues, A.S.** (2021, October, 23) - “Reflexão sobre produtos, mercados e hábitos alimentares da região minhota – Mesa redonda. Congresso Internacional de Enogastronomia, Amar o Minho. Ponte de Lima, Portugal. <https://feeltravelminho.pt/ponte-de-lima-recebe-congresso-internacional-de-enogastronomia/>
- Rodrigues, R.** (2021, October, 23) - “Reflexão sobre produtos, mercados e hábitos alimentares da região minhota – Mesa redonda. Congresso Internacional de Enogastronomia, Amar o Minho. Ponte de Lima, Portugal. <https://feeltravelminho.pt/ponte-de-lima-recebe-congresso-internacional-de-enogastronomia/>
- Silva, S. P., Valín, M. I., Mendes, S., Araujo-Paredes, C., & Cancela, J. J.** (2021, July, 4-8). Calibration of crop coefficients of Vitis vinifera L. cv. Loureiro using SIMDualKc. European Conference on Agricultural Engineering AgEng2021 conference: New Challenges for Agricultural Engineering towards a Digital World, Évora, Portugal. https://ageng2020.com/images/Congresso/program/FINAL%20Program_AGENG2021_01Jul_final.pdf
- Silva, S. P., Valín, M. I., Mendes, S., Araujo-Paredes, C., & Cancela, J. J.** (2021, November, 11-12). Modelação da infiltração da água a várias profundidades de solo através de modelos empíricos. XI Congreso Ibérico de Agroingeniería. https://eventos.emagister.com/files/event/60974/editorFiles/file/listados_xlsx%20-%20V02_compressed.pdf
- Valín M.I.** (2021, December 17). The importance of the water status of the plant: Sensors and indicators. Webinar event working day about Erasmus + project "domotic school garden". Elche, Spain.
- Vasconcelos Pinto, M.,** Andrade G., Carolino, E., Santos M., Rodrigues, M., Rodrigues, M. & Almeida-Silva, M. (2021, December, 2-3). Youth Breakdown in the post-COVID era and their Vaccination Intention Vaccin2You(th). 10th Edition of Virtual Conference on nursing education & practice.
- Vasconcelos Pinto, M., Vaz Velho, M. & Santos, J.** (2021, July, 25-29). “Understanding Systemic Interactions and Feedbacks for Occupational Health and Food Safety”. Advances in Safety Management and Human Factors. 12th International Conference on Applied Human Factors and Ergonomics (AHFE) and the Affiliated Conferences, which was held as a Virtual Conference, United States of America. https://link.springer.com/chapter/10.1007/978-3-030-80288-2_33
- Vasconcelos Pinto, M., Vaz-Velho, M. & Santos, J.** (2021, September, 20-21) One health challenge for biosafety – the nursing case. The 3rd International Electronic Conference on

Environmental Research and Public Health —Public Health Issues in the Context of the COVID-19 Pandemic, Barcelona, Spain. <https://sciforum.net/paper/view/conference/8989>

Vasconcelos-Pinto, M., Mendes, F., Gomes, C. & Joaquim, J. (2021, September, 20-21) COVID-19: A Game-Changer for Higher Education Environment at Coimbra Health School. (Comunicação oral) The 3rd International Electronic Conference on Environmental Research and Public Health —Public Health Issues in the Context of the COVID-19 Pandemic, Barcelona, Spain. <https://sciforum.net/paper/view/conference/8989>

2.1.2 National (58)

Afonso, V. & **Ferreira-Oliveira, A.T.** (2021, February, 26). Emprego à Mesa. Seminário do Consórcio Maior Empregabilidade. Observatório das Instituições do Ensino Superior para a Responsabilidade Social (ORSIES). https://www.researchgate.net/publication/358695922_Emprego_a_Mesa

Amorim, A., **Rodrigues, R. & Moura, L.** (2021, September, 17). Controlo biológico da vespa-das-galhas-do-castanheiro no Minho. Sustentabilidade na produção de Castanha. Seminário: O futuro dos insetos: Pragas? Auxiliares? Alimento? - contributo para a sustentabilidade. 53ª AGRO – Feira Internacional de Agricultura, Pecuária e Alimentação, Braga, Portugal. <https://www.forumbraga.com/Content/Images/4b58968f-7073-4c18-9873-b24b3495c719.pdf>

Amorim, A., **Rodrigues, R. & Moura, L.** (2021, July, 14). Luta biológica conta a vespa-das-galhas-do-castanheiro no Minho – o que sabemos? Dia Aberto BioPest-Castanheiro, 14 Julho, Gondufe, Ponte de Lima, Portugal. https://www.researchgate.net/publication/358266201_Luta_biologica_conta_a_vespa-das-galhas-do-castanheiro_no_Minho_-_o_que_sabemos

Amorim, A., **Rodrigues, R. & Moura, L.** (2021, November, 24). Vespa-das-galhas-do-castanheiro: dispersão de praga, parasitoides associados e eficácia da luta biológica. 8as Jornadas de Ciências Agronómicas, no âmbito da Semana das Ciências da Vida e da Terra, ESA/IPVC, Ponte de Lima, Portugal. <https://www.ipvc.pt/esa/wp-content/uploads/sites/2/2021/11/Jornadas-CienciasAgronomicas-Nov2021-v1.pdf>

Araújo, J.P., (2021, March, 4). Bem-Estar Animal. Mesa Redonda - Um Futuro Sem Consumo De Carne: Sustentável Ou Irrealista? Uma Perspetiva Ambiental, Nutricional e Animal, Organizado pela Associação de Estudantes da Faculdade de Medicina Veterinária da Universidade de Lisboa. https://www.researchgate.net/publication/358594463_Bem-Estar_Animal_Mesa_Redonda_-_Um_Futuro_Sem_Consumo_De_Carne_Sustentavel_Ou_Irrealista_Uma_Perspetiva_Ambiental_Nutricional_e_Animal

Araújo, J.P., Sobreiro, S., **Cerqueira, J.L.**, **Pereira Pinto, R.**, Kowalczyk, A. & **Vaz-Velho, M.** (2021, November, 29-30). Growth performance of Bisaro breed and commercial hybrid entire males on outdoor housing system. XXII ZOOTECH - Congresso Nacional de Zootecnia. Vila Real, Portugal https://www.researchgate.net/publication/355917392_Growth_Performance_Of_Bisaro_Breed_And_Commercial_Hybrid_Entire_Males_On_Outdoor_Housing_System

Araújo, J.P.P., Costa, H.R. & **Cerqueira, J.O.L.**, (2021, May, 26-29). Avaliação de desempenho produtivo em cabritos da raça Bravia nos ecótipos do Alvão e do Gerês. I Congresso Nacional de Caprinicultura. https://www.researchgate.net/publication/358594446_Avaliacao_de_desempenho_produtivo_em_cabritos_da_raca_Bravia_nos_ecotipos_do_Alvao_e_do_Geres_I_Congresso_Nacional_de_Caprinicultura

Araújo, J.P.P. (2021, November, 13). Caprinos de Carne em Modo de Produção Biológico. Seminário Carne e Leite de Pequenos Ruminantes – Açores 21, 1º Fórum da Agropecuária Biológica promovida pelo Secretaria Regional da Agricultura e do Desenvolvimento Rural, BioAzórica, Federação Agrícola dos Açores e Trybio, Santa Maria, Portugal. https://www.researchgate.net/publication/358594533_Caprinos_de_Carne_em_Modo_de_Producao_Biologico_Seminario_Carne_e_Leite_de_Pequenos_Ruminantes_-_

[Acores 21 1 Forum da Agropecuaria Biologica promovida pelo Secretaria Regional da Agricultura e do Dese](#)

- Barbosa, C. & Alves, MR.**, (2021, October, 13). Minimal Processing and Pre-cooking of Vegetables in MAP. Meeting CISAS 21 online Fruits and Vegetables-Growing “Green”. Webinar II – Food processing, Viana do Castelo, Portugal. https://tech.ipvcc.pt/files/cisas_eventos/webinar2.pdf
- Barbosa, C. & Alves, MR.**, (2021, October, 27). Sustainability, estimation of shelf-life and optimization of logistic operations in vegetables. Meeting CISAS 21 online Fruits and Vegetables-Growing “Green”. Webinar III- Distribution, Retail and Consumers, Viana do Castelo, Portugal. https://tech.ipvcc.pt/files/cisas_eventos/webinar3.pdf
- Cerqueira, J.L.** (2021, November, 13). Raça Bravia: Produção de caprinos em Terras de Bouro. Workshop do Cabrito Biológico da Serra do Gerês, Terras de Bouro, Portugal.
- Cerqueira, J.L.** (2021, October, 18). Indicadores de avaliação de bem-estar em vacas leiteiras: desafios emergentes. Colóquios Técnico-Científicos promovidos pela Associação de Estudantes do ICBAS-Universidade do Porto, Porto, Portugal.
- Cunha, B., Mariz-Ponte, N., **Moura, L.**, Tavares, F. & Santos, C. (2021, May, 5-7). Identification and characterization of *Erwinia rhapontici* isolated from Kiwifruit leaves. 14th Meeting of Young Researchers – IJUP 2021, Porto, Portugal. https://ijup.up.pt/2021/wp-content/uploads/sites/657/2021/06/IJUP2021_LivroResumos.pdf
- Duarte C.**, Pinto E., Leitão R., **Pinheiro R. & Vaz-Velho M.** (2021, June, 3). Divulgação do Projeto NUTRIAGE-Soluções Avançadas para um Envelhecimento Saudável Através da Nutrição na Eurorregião Galiza-Norte de Portugal. 3^o Encontro de Gerontologia Escola Superior de Saúde do Vale do Ave-Ser Idoso: Inovar para a Idade CESPU- Instituto Politécnico de Saúde do Norte, Portugal. <https://www.cespu.pt/noticias-eeventos/2021/06/3-encontro-de-gerontologia-da-essva-ser-idoso-inovar-para-a-idade/>
- Duarte, C. & Pinheiro, R.** (2021, October, 13). Valorisation of Brassica spp. surplus and waste fractions. Meeting CISAS 2021, Webinar 2- Food Processing, Viana do Castelo, Portugal. https://tech.ipvcc.pt/files/cisas_eventos/webinar2.pdf
- Duarte, C. & Vaz-Velho, M.** (2021, October, 13). Development of an Atlantic soup with Brassica spp. fitted for the elderly. Meeting CISAS 2021, Webinar 2- Food Processing, Viana do Castelo, Portugal. https://tech.ipvcc.pt/files/cisas_eventos/webinar2.pdf
- Ferreira-Oliveira, A.T.** (2021, April, 17-23). Processos e (des)construções psicológicas: a ciência humana e a liberdade da incerteza. 12.^a edição Seminário Encontro de bibliotecas escolares: leituras para a liberdade, Viana do Castelo, Portugal. https://www.researchgate.net/publication/358695664_Processos_e_desconstrucoes_psicologicas_a_ciencia_humana_e_a_liberdade_da_incerteza
- Ferreira-Oliveira, A.T.**, Rodrigues, A.S., Martins, J., Rego, P., Vieira, P. Oliveira, J., Costa, P., Paiva, S., Faria, P., Cavadas, A., Curralo, A., Viana, A., Vasques, C., Cruz, E., Romero, R., Abrantes, J., Nunes, J., Castro, P., Resende, P. & Moreira, P. (2021, July, 12-16). Projeto Escola Inclusiva IPVC: Co-construção experiencial da comunidade e dos estudantes ensino superior. Congresso Nacional de Práticas Pedagógicas no Ensino Superior (CNaPPES.21) https://cnappes.org/cnappes-2021/files/2021/08/Livro_Resumos_CNaPPES.pdf
- Gonçalves, C.** (2021, October, 13). Fruit and vegetables consumption for a sustainable and healthy diet. Meeting CISAS 2021, Webinar 2- Food Processing, Viana do Castelo, Portugal. https://tech.ipvcc.pt/files/cisas_eventos/webinar2.pdf
- Maia, C.M., **Soares, M.L., Araújo, J.P.,** Fonseca, F.M. & **Cerqueira, J.O.L.**, (2021, October, 29-30). Comportamento da raça autóctone avícola Branca entre a oitava e nona semana de vida. XXII Congresso de Zootecnia, Vila Real, Portugal. https://www.researchgate.net/publication/358265943_21-Oral-6_Comp_APEZ_21
- Mateus, T. L.** (2021, May, 5). A equinococose como modelo da inevitabilidade da Uma Só Saúde. Café de Ciência. Lisboa, Portugal. <https://www.youtube.com/watch?v=UpVewyPCEpE>

- Matos, D. & **Rodrigues, A.S.** (2021, September, 17). Satisfação dos utilizadores dos serviços de alimentação-Instituto Politécnico de Viana do Castelo. XI Encontro de Investigadores da Qualidade, Aveiro, Portugal. https://encontros.rigual.org/wp-content/uploads/2021/09/SESSOES_PARALELAS_manha_10h45_VF1.pdf
- Matos, D., **Rodrigues, A.S.**, Gonçalves, S., Santos, M. & Silva, M.C. (2021, September, 17). Gestão de saúde e segurança no trabalho no Instituto Politécnico de Viana do Castelo. XI Encontro de Investigadores da Qualidade, Aveiro, Portugal. https://encontros.rigual.org/wp-content/uploads/2021/09/SESSOES_PARALELAS_tarde_14h15_VF1.pdf
- Mendes, S. & Valín, I.** (2021, October, 27). Recuperação de Castas Autóctones. SOMMEET 2021, Academia do Vinho Verde da Comissão de Viticultura da Região dos Vinhos Verdes. Estação Amândio Galhano (EVAG).
- Mendes, S. & Valín, I.** (2021, September, 29). Sustainable management of water and soils. Meeting CISAS2021, Fruits and Vegetables - Growing Green. Webinar 1- Primary Production, Viana do Castelo, Portugal. https://tech.ipvc.pt/files/cisas_eventos/webinar1.pdf
- Moura, L.** (2021, March, 31). Doenças da Actinídea – Desafios Futuros. Webinar Jornadas Técnicas do Kiwi, Hubel Verde, <https://www.agroportal.pt/hubel-verde-realiza-webinar-sobre-kiwi-31-de-marco/>
- Moura, L.** (2021, September, 29). Novel strategies for biologic control of crop pests and diseases. Meeting CISAS2021- Fruits & Vegetables Growing “Green. Webinar 1- Primary Production, Viana do Castelo, Portugal. https://tech.ipvc.pt/files/cisas_eventos/webinar1.pdf
- Moura, L.** Santos, F., Martins, R. & Gouveia, E. (2021, November, 23). Biodiversidade e hipovirulência de *Cryphonectria parasitica*: soluções biotecnológicas para o controlo do cancro do castanheiro. 9as Jornadas de Ciências Biotecnológicas, no âmbito da Semana das Ciências da Vida e da Terra, ESA/IPVC, Ponte de Lima, Portugal. <https://www.ipvc.pt/esa/wp-content/uploads/sites/2/2021/12/Jornadas-CienciasBiotecnologicas-Nov2021-v1.pdf>
- Mourão, I. & **Araújo, J.P.**, (2021, November, 19). Tendências da Investigação em Agricultura Biológica. IV Sessão pública ENAB – PA (Estratégia Nacional para a Agricultura Biológica - Plano de Ação), Ponte de Lima, Portugal. https://www.researchgate.net/publication/358594707_IV_Sessao_publica_ENAB_-_PA_Estrategia_Nacional_para_a_Agricultura_Biologica_-_Plano_de_Acao_Ponte_de_Lima_Portugal
- Nunes, F. & Madureira, F.** (2021, October, 27). Marketing and Purchasing Behavior in Organic National Fruits and Vegetables. Meeting CISAS 2021 Fruits & Vegetables – Growing “Green”. Webinar III – Distribution, Retail and consumers, Viana do Castelo, Portugal. https://tech.ipvc.pt/files/cisas_eventos/webinar3.pdf
- Oliveira, A.T. & **Rodrigues A.S.** (2021, October, 27). The importance of corporate social responsibility in the behavior of fruits and vegetables consumers. Meeting CISAS 2021 online Fruits and Vegetables-Growing “Green” Webinar III- Distribution, Retail and Consumers, Viana do Castelo, Portugal. https://tech.ipvc.pt/files/cisas_eventos/webinar3.pdf
- Pereira Pinto, R., Pires, P., Araújo, J.P., Barros, M. & Vaz-Velho, M.** (2021, September, 5-8). High-performance liquid chromatography determination of skatole levels in subcutaneous fat of entire male pigs fed with a supplemented finishing diet. XV Encontro de Química dos Alimentos: Estratégias para a Excelência, Autenticidade, Segurança e Sustentabilidade Alimentar, Funchal, Portugal. <https://xveqa.events.chemistry.pt/images/book.pdf>
- Pinheiro, R.** (2021, November, 22). Oradora Mesa Redonda “Rumo a uma Restauração Circular e Sustentável”, Braga. [O Meu Calendário - Associação Empresarial de Braga \(aebraga.pt\)](https://www.aebraga.pt)
- Pinto, R.** (2021, September, 29). Organic production of vegetables – Health and environmental benefits. Meeting CISAS 21 online Fruits and Vegetables-Growing “Green” Webinar I-

- Primary Production, Viana do Castelo, Portugal.
https://tech.ipvc.pt/files/cisas_eventos/webinar1.pdf
- Pires P.** (2021, October, 13). Grape pomace flour: bioactive compounds. Meeting CISAS 21 online Fruits and Vegetables-Growing “Green” Webinar II- Food Processing, Viana do Castelo, Portugal. https://tech.ipvc.pt/files/cisas_eventos/webinar2.pdf
- Regalado, L., Mariz-Ponte, N., Teixeira, C., Emil, G., Tassi, N., **Moura, L.**, Gomes, P., Tavares, F. & Santos, C. (2021, May, 5-7). Fighting kiwifruit bacterial canker disease with antimicrobial peptides. 14thTH Meeting of Young Researchers – IJUP 2021, Porto, Portugal. https://ijup.up.pt/2021/wp-content/uploads/sites/657/2021/06/IJUP2021_LivroResumos.pdf
- Rocha, R. & Paulo Fernandes, P.** (2021, October, 27). Contribution of HRM analysis for authenticity determination of Protected Geographical Indication of fruit varieties. Meeting CISAS 2021 online Fruits and Vegetables-Growing “Green”, Webinar III- Distribution, Retail and consumers, Viana do Castelo, Portugal. https://tech.ipvc.pt/files/cisas_eventos/webinar3.pdf
- Rocha, R.**, Queiroz, A., **Fernandes, P. & Vaz Velho, M.** (2021, September, 5-8). Application of microsatellite high resolution melting analysis for the discrimination of Alcobaça PGI golden delicious apples. XV Encontro de Química dos Alimentos, Funchal, Portugal. <https://xvega.events.chemistry.pt/images/book.pdf>
- Rodrigues, A.S.** (2021, September, 29). Nutritional value of characteristic vegetables of the Atlantic diet effect of agroclimatic conditions. Meeting CISAS2021 online Fruits and Vegetables-Growing “Green”, Webinar I- Primary Production, Viana do Castelo, Portugal. https://tech.ipvc.pt/files/cisas_eventos/webinar1.pdf
- Rodrigues, A.S. & Ferreira-Oliveira, A.T** (2021). Os novos desafios e tendências do trabalho e o seu impacto na Conciliação. Webmeeting a conciliação trabalho e família: um desafio na gestão das pessoas. Xz Consultores, Braga, Portugal.
https://www.researchgate.net/publication/358695914_Os_novos_desafios_e_tendencias_do_trabalho_e_o_seu_impacto_na_Conciliacao
- Rodrigues, R.** (2021, June, 8). “O aranhaço-vermelho *Panonychus ulmi* (Koch) – estratégias de protecção!. Jornadas SIPCAM. <https://vozdocampo.pt/2021/06/07/webinar-o-estado-da-arte-sobre-o-aranhico-vermelho/>
- Rodrigues, R.** (2021, April, 26). “Espécies autóctones e biodiversidade de frutas e hortícolas. Webinar "da produção ao consumo - Produção de Frutas e Hortícolas". <https://www.apn.org.pt/noticia.php?id=1103>
- Rodrigues, R.** (2021, December, 2). “Avaliação da Toxicidade de campo de cinco insecticidas sobre ácaros predadores (Acari: *Phytoseiidae*) em macieira, em aplicação simples”. Seminário: Dia Aberto do Grupo Operacional – Estratégia Go_Fito-Maçã. Armamar, Portugal.
- Rodrigues, R.** (2021, December, 2). “Avaliação da Toxicidade de campo de cinco fungicidas sobre ácaros predadores (Acari: *Phytoseiidae*) em macieira, em aplicação múltipla”, na localidade de Moimenta da Beira. Seminário: Dia Aberto do Grupo Operacional – Estratégia Go_Fito-Maçã. Auditório Municipal de Armamar, Portugal.
- Rodrigues, R.** (2021, February, 19). “Poda e condução da vinha”. Webinar, Academia do Vinho Verde, Comissão Viticultura da Região dos Vinhos Verdes. <https://portal.vinhoverde.pt/pt/noticias/poda-e-conducao-da-vinha-19-de-fevereiro>
- Rodrigues, R.** (2021, January, 30). “Combate a pragas e doenças nas árvores de fruto de forma biológica. Webinar, Centro de Educação Ambiental, Esposende, Portugal. <https://esposende-educa.pt/eventos/webinar-hoje-e-dia-de-combate-a-pragas-e-doencas-nas-arvores-de-fruto-de-forma-biologica/>
- Rodrigues, R.** (2021, January, 28). “Descascar” as variedades regionais de fruteiras do Minho”. AgroMeeting – Webinar. Espaço Visual. <https://it-it.facebook.com/EspacoVisualConsultores/videos/agromeeting-descascar-as-variedades-regionais-de-fruteiras-do-minho/444154170105988/>

- Rodrigues, R.** (2021, July, 17) “Fruticultura no modo de produção biológico”. Seminário Fruticultura Biológica, Potencialidades dos Açores. Açores Bio 21 – 1º Forum da Agropecuária Biológica. Trybio, Santa Cruz da Graciosa, Portugal. <https://forumbio.azores.gov.pt/eventos/podas-e-enxertias-de-fruteiras-bio/>
- Rodrigues, R.** (2021, July, 20) “Gestão de infestantes e boas práticas na vinha bio”. Workshop. Açores Bio 21 – 1º Forum da Agropecuária Biológica. Trybio, Angra do Heroísmo, Portugal. <https://forumbio.azores.gov.pt/eventos/podas-e-enxertias-de-fruteiras-bio/>
- Rodrigues, R.** (2021, July, 20) “Podas e enxertias de fruteiras bio”. Workshop. Açores Bio 21 – 1º Forum da Agropecuária Biológica. Trybio, Angra do Heroísmo, Portugal. <https://forumbio.azores.gov.pt/eventos/podas-e-enxertias-de-fruteiras-bio/>
- Rodrigues, R.** (2021, March, 31). “Pragas emergentes em kiwicultura. O sugador-castanho-marmoreado *Halyomorpha halys* (Hemiptera: *Pentatomidae*)”. Webinar, Jornadas Técnicas do Kiwi. Hubel Verde. <https://www.agroportal.pt/hubel-verde-realiza-webinar-sobre-kiwi-31-de-marco/>
- Rodrigues, R.** (2021, November, 4). “Importância da preservação dos recursos genéticos – cultura, gastronomia e paisagem. Jornadas Técnicas da anona, maçã, batata-doce e do maracujá. Funchal, Portugal. <https://www.uma.pt/noticias/jornadas-tecnicas-da-anona-maca-batata-doce-e-do-maracuja/850/>
- Rodrigues, R.** (2021, November, 5). Enxertias de gomo destacado em macieiras”. Jornadas Técnicas da anona, maçã, batata-doce e do maracujá. Calheta, Portugal. <https://www.uma.pt/noticias/jornadas-tecnicas-da-anona-maca-batata-doce-e-do-maracuja/850/>
- Rodrigues, R.** (2021, September, 29). “Regional varieties vs organic fruit production”. Meeting CISAS21 online – fruits and vegetables growing “green” Webinar 1- Primary Production, Viana do Castelo, Portugal. https://tech.ipvc.pt/files/cisas_eventos/webinar1.pdf
- Rodrigues, R.** (2021, September, 30). “Património frutícola do Minho: (Re)descobrir as variedades regionais”. Ciclo de Conferências “Património com Alma”: Maçã Porta-da-Loja uma alma perfumada. Vila Verde, Portugal. <https://ovilaverdense.pt/conferencia-maca-porta-da-loja-uma-alma-perfumada-a-30-de-setembro/>
- Santos, J. & Vaz-Velho, M.** (2021, October, 27). One health approach in the fruits and vegetables supply chains. Meeting CISAS 2021, Webinar 3- Distribution, Retail and consumers, Viana do Castelo, Portugal. https://tech.ipvc.pt/files/cisas_eventos/webinar3.pdf
- Silva, F.G., Pedro, S., Azevedo, I., Ramalho, J., Caetano, P., Martins, L., **Cerqueira, J.L.**, Severiano, S.R. & Conceição, C. (2021, December, 9-10). Evaluation of the birth impact in the newborn dairy calf using ethophysiological measurements. VI Encontro de Estudantes de Doutoramento em Ambiente e Agricultura (EEDAA), Évora, Portugal.
- Valín M.I.** (2021, December, 15). Gerir a Escassez e o excesso. Conferências Vida Rural “Verdes” anos. Vida Rural. <https://www.vidarural.pt/conferencias-vr/>

2.2 Poster presentations

2.2.1 International (29)

- Araújo, J.P.**, Tinoco, D., Sobreiro, J., Cantalapiedra, J. & **Cerqueira, J.L.**, (2021, June, 1-2). Crecimiento de terneros de raza Minhota. XIX Jornadas sobre Producción Animal. Zaragoza, Spain. https://www.aida-itea.org/aida-itea/files/jornadas/2021/Programa%20XIX%20Jornadas%20Sobre%20Producci%C3%B3n%20Animal_def%2001jun.pdf
- Barros, D. & Vaz-Velho, M.** (2021, February, 7-12). Avaliação do efeito da redução de sal e aplicação de extrato de casca de pinheiro sobre o tempo de armazenamento de carapau fumado (*Trachurus trachurus*). X Foro Iberoamericano de los Recursos Marinos y la Acuicultura – XFIRMA. <https://doi.org/10.5281/zenodo.5164441>

- Batista, C.L., Cabeças, R. & **Mateus, T.L.** (2021, October, 22-23). Parasitas gastrointestinais em cães de canis públicos e privados do norte e centro de Portugal. XI Congresso Internacional de Enfermagem Veterinária Montenegro, Vila da Feira, Portugal. <https://congressohvm.com/2021/wp-content/uploads/2021/10/Concurso-Posters-One-Health.pdf>
- Campos, C.; Leite, M., Barbosa, J., Ramos, F., **Afonso, I.** & Freitas, A. (2021, September, 27-28). Moisture and mycotoxin content in maize grains and maize silage. (p. 54) In Book of Abstracts of 4th International Conference on Food Contaminants: Challenges on Early-Life Exposure (ICFC 2021). <https://icfcportugal.com/wp-content/uploads/2021/09/ICFC-2021-Book-of-Abstracts.pdf>
- Cerqueira, J.L.**, Correia, C., Blanco-Penedo, I., Cantalapiedra, J. & **Araújo, J.P.**, (2021, June, 1-2). Calidad nutricional del ensilado de maíz y su influencia en la productividad en seis explotaciones de vacas lecheras. XIX Jornadas sobre Producción Animal, Zaragoza, Espanha. https://www.aida-itea.org/aida-itea/files/jornadas/2021/Programa%20XIX%20Jornadas%20Sobre%20Producci%C3%B3n%20Animal_def%2001jun.pdf
- Costa, S., Sousa, P. & **Pinheiro, R.** (2021, June, 23-25). Evaluation of different drying methods of vegetables from the Northern Portugal: comparative analyses of physicochemical and sensory parameters, and consumer acceptance. 6th International ISEKI-Food Conference: Sustainable Development Goals in Food Systems: Challenges and Opportunities for the Future. <https://doi.org/10.34623/9hhy-1y8>
- Cunha, S.A., Nova, P., **Barros, D.**, Ramos, C., Castro, I., **Vaz-Velho, M.**, Gomes, A. & Pintado, M. (2021, July, 1-2). Extracts from Marine Origin as Functional Ingredients to Improve the Antioxidant Activity of Horse Mackerel (*Trachurus trachurus*). CMR - International Conference on Multidisciplinary Research, Viseu, Portugal. <http://events.ipv.pt/cmr/wp-content/uploads/2021/p/p2/jpeg/208.jpg>
- Domingues, J., Rodrigues, L., **Brito, N. V.**, **Guedes, A. P.** & **Afonso, I. M.** (2021, June, 23-25). Valorization of endogenous wild fruits from Alto Minho region: Centesimal composition of *Rubus Ulmifolius* (Schott). 6th International ISEKI-Food Conference: Sustainable Development Goals in Food Systems: Challenges and Opportunities for the Future. <https://doi.org/10.34623/9hhy-1y83>
- Duarte, C.**, **Pinheiro, R.** & **Vaz-Velho, M.** (2021, May, 23-26). Effect of Brassica flour enrichment on the development of new food product and its nutritional, antioxidant and sensory evaluation. EFF2021 the 3rd International Conference on Engineering Future Food, AIDIC, Naples, Italy. <https://www.aidic.it/eff2021/programma/pro.html>
- Gomes, A. Dantas, D., Maia, R.L. & **Mateus, T.L.** (2021, October, 22-23). Leptospirose canina e humana – o que sabe a comunidade sobre esta doença? XI Congresso Internacional de Enfermagem Veterinária Montenegro. Vila da Feira, Portugal. <https://congressohvm.com/2021/wp-content/uploads/2021/10/Concurso-Posters-One-Health.pdf>
- Macedo, J., Alvura, N., Cabeças, R. & **Mateus, T.L.** (2021, October, 22-23). Enriquecimento ambiental em serpentes no Zoo da Maia. XI Congresso Internacional de Enfermagem Veterinária Montenegro, Vila da Feira, Portugal. <https://congressohvm.com/2021/wp-content/uploads/2021/10/Concurso-de-Posters-Enfermagem.pdf>
- Maia, C., **Araújo, J.P.**, **Cerqueira, J.L.**, **Soares, M.L.**, Dantas, R., Leite, J. & Carolino, N., (2021, June, 1-2). Raza Barrosã: caracterización genética por análisis demográfico. XIX Jornadas sobre Producción Animal, Zaragoza – Spain. https://www.aida-itea.org/aida-itea/files/jornadas/2021/Programa%20XIX%20Jornadas%20Sobre%20Producci%C3%B3n%20Animal_def%2001jun.pdf
- Malheiro, J.M. & **Brito Nuno, V.**, (2021, October, 22-23). Ressuscitação Cardiopulmonar: (In)Sucesso. Abstract (pp. 28-29) in Book of Proceedings XI Congresso Internacional Enfermagem Veterinária, Santa Maria da Feira, Portugal. <https://doi.org/10.13140/RG.2.2.30981.42720>
- Mariz-Ponte, N., Regalado, L., Teixeira, Gimranov, E., Fagundes, N., **Moura, L.**, Gomes, P., Tavares, F. & Santos, C. (2021, September, 27-30). Combination of Antimicrobial Peptides

as promising way to fight against *Pseudomonas syringae* pv. *actinidiae*. X International Symposium on Kiwifruit, Yalova, Turkey.
<https://www.kiwifruit2021.org/files/downloads/KIWI2021-Abstract-Book.pdf>

- Meira, M., **Afonso, I. M.**, Lopes, J.C., Vale, A.P., Ribeiro, V., Dantas, R., Leite, J. V. & **Brito, N.V.**, (2021, June, 23-25). Portuguese Autochthonous Poultry Breeds: Physicochemical Characterization (pH, moisture and colour) of raw meat. 6th International ISEKI-Food Conference: Sustainable Development Goals in Food Systems: Challenges and Opportunities for the Future. <https://doi.org/10.34623/9hhy-1y83>
- Melo, C. & **Brito, Nuno V.** (2021, October, 22-23). Patologia e Clínica de Equinos – Laminite Equina. Abstract (pp. 30-31) in Conference Proceedings of the XI Congresso Internacional Enfermagem Veterinária/Veterinary Nurse, Santa Maria da Feira, Portugal. <https://doi.org/10.13140/RG.2.2.24270.54084>
- Mourão, I., Sá, C.G., **Moura, L., Brito, L.M.**, Santos, M.C.V. & Costa, S.R. (2021, September, 21-27). Yield and fruit quality of tomato grafted onto rootstocks partially resistant to rootknot nematodes in a naturally infested greenhouse. IFOAM, Organic World Congress, Rennes, France.
https://www.researchgate.net/publication/358266171_Mourao_I_Sa_CG_Moura_L_Brito_LM_Santos_MCV_Costa_SR_2021_Yield_and_fruit_quality_of_tomato_grafted_onto_rootstocks_partially_resistant_to_rootknot_nematodes_in_a_naturally_infested_greenhouse_IFOAM_Or
- Nova, P., Cunha, S.A., **Barros, D.**, Ramos, C., Castro, I., **Vaz-Velho, M.**, Pintado, M. & Gomes, A. (2021, July, 1-2). Anti-hypertensive Activity of Horse Mackerel Pulverized with Three Different Extracts from Marine Origin. CMR - International Conference on Multidisciplinary Research, Viseu, Portugal. <http://events.ipv.pt/cmr/wp-content/uploads/2021/p/p3/jpeg/201.jpg>
- Pereira Pinto, R. & Vaz-Velho, M.** (2021, May, 5-7) A perspective of the Portuguese consumer awareness, beliefs and preferences towards piglet castration methods and its implications on the meat quality. 12th International Conference on Biosystems Engineering, Tartu, Estonia. <https://doi.org/10.13140/RG.2.2.17481.47202>
- Pereira, A.L., Silva, P.A., Rinaldi, L., **Mateus, T.L.**, Vieira-Pinto, M.M. & Carvalho, L.M. (2021, October, 1). A red flag for free-range wild iberian ungulates: gastrointestinal parasites in red foxes (*Vulpes vulpes*) in a Cantabrian ecosystem. XII Reunião de Ungulados Silvestres Ibéricos, Vila Real, Portugal. <https://reuniaoungulados.wixsite.com/rusi/ayuda>
- Pinheiro, R.**, Sousa, P. & **Vaz Velho, M.** (2021, June, 23-25). Pulse crops flours and banana peel flour effects on the microstructure and physicochemical characteristics of gluten-free muffins. 6th International ISEKI-Food Conference: Sustainable Development Goals in Food Systems: Challenges and Opportunities for the Future. <https://doi.org/10.34623/9hhy-1y8>
- Pinto, J.P., Mariz-Ponte, N., **Moura, L.**, Correia, C., Moutinho-Pereira, J., Ribeiro, H. & Santos, C. (2021, September, 27-30). Photosynthetic performance of *Actinidia deliciosa* cv. 'Hayward' under the effect of photoselective coloured nets. X International Symposium on Kiwifruit, Yalova, Turkey. <https://www.kiwifruit2021.org/files/downloads/KIWI2021-Abstract-Book.pdf>
- Pinto, R., Brito L.M.**, Mourão, I., Tavares T., Sá, F., Gonçalves, F., **Moura, L.**, Torres, L. & Coutinho, J. (2021, December, 14-17). Effect of winery waste composted with biochar on seedling and plant growth of organic Brassica spp. crops. III International Organic Fruit Symposium and I International Organic Vegetable Symposium, Catania, Italy. https://www.orghort2020.it/wp-content/uploads/2019/06/program_orghort_2020.pdf
- Pinto, R., Brito, L.M.**, Tavares, T., Sá, F., Gonçalves, F., Mourão, I., Torres, L. & Coutinho, J. (2021, December, 14-17). Effect of winerywaste composted with biochar on seedling and plant growth of organic Brassica spp. crops. III International Organic Fruit Symposium and I International Organic Vegetable Symposium, Catania, Italy. https://www.researchgate.net/publication/358145789_Pot_experiment_ISHS_Catanea
- Rego, R., Pires, D. P., **Moura, L.**, Santos, C. & Azeredo, J. (2021, September, 27-30). Bacteriophages as promising strategy to control *Pseudomonas syringae* pv. *actinidiae* in

kiwi plants. X International Symposium on Kiwifruit, ISHS, 27-30 September, Yalova, Turkey, <https://www.kiwifruit2021.org/files/downloads/KIWI2021-Abstract-Book.pdf>

- Reis, N. & Vaz-Velho, M.** (2021, May, 23-26). The effect of different lycopene dyeing solutions on rice colour stability. EFF2021 the 3rd International Conference on Engineering Future Food, AIDIC, Naples, Italy. <https://doi.org/10.13140/RG.2.2.10603.00808>
- Rodrigues, A. S. & Amorim, M.** (2021, September, 28-30). Matriz de riscos e oportunidades no sistema de gestão de uma instituição de ensino superior. XVIII Foro Internacional sobre evaluación de la calidad de la investigación y la educación superior (FECIES). <https://www.forofecies.com/libro-de-resumenes>
- Rodrigues, A. S., Amorim, M., Mourão, M. F., & Cruz, N.** (2021, September, 28-30). Auditorias Internas como ferramenta de autoavaliação numa Instituição de Ensino Superior. XVIII Foro Internacional sobre evaluación de la calidad de la investigación y la educación superior. <https://www.forofecies.com/libro-de-resumenes>
- Silva, A.S. & **Brito, Nuno V.** (2021, October, 22-23). Importância da Interpretação do Comportamento em Cães. Abstract (pp. 23-24) in Conference Proceedings of the XI Congresso Internacional Enfermagem Veterinária, Santa Maria da Feira, Portugal. <https://doi.org/10.13140/RG.2.2.20915.09767>

2.2.2 National (24)

- Araújo, J.P., Sobreiro, S., Cerqueira, J.L., Pereira Pinto, R., Kowalczyk, A. & Vaz-Velho, M.** (2021, October, 29-30). Growth performance of Bisaro breed and commercial hybrid entire males on outdoor housing system. XXII Congresso de Zootecnia, Vila Real, Portugal. <https://doi.org/10.13140/RG.2.2.30010.52168>
- Barros D., Duarte C., Pires P. & Vaz-Velho, M.** (2021, September, 5-8). Microwave assisted extraction of maritime pine (*Pinus pinaster*) bark: Impact of bark layers and solvents. XV Encontro de Química dos Alimentos, Funchal, Portugal. <https://xveqa.events.chemistry.pt/images/book.pdf>
- Barros D., Nova P., Cunha S., Barbosa C., Pintado M., Gomes A. & Vaz-Velho M.** (2021, September, 5-8). Effect of the application of bioactive extracts on the storage time of smoked horse mackerel (*Trachurus trachurus*) with reduced salt. XV Encontro de Química dos Alimentos, Funchal, Portugal. <https://xveqa.events.chemistry.pt/images/book.pdf>
- Barros, D., Duarte, C., Pires, P. & Vaz-Velho, M.** (2021, November, 18-19). Impact of Microwave Assisted Extraction of *Pinus pinaster* Bark under different extraction conditions. Dare2Change- Innovation-Driven Agrifood Business, Porto, Portugal. <https://doi.org/10.13140/RG.2.2.36188.26246>
- Brito, N.V., Lopes, J.C., Ribeiro, V., Dantas, R. & Leite, J. V.** (2021, October, 29-30). Produção de ovos em pequena escala: o caso das raças autóctones. XXII ZOOTEC - Congresso Nacional de Zootecnia, Vila Real, Portugal.
- Duarte, C., Pinheiro, R. & Vaz-Velho, M.** (2021, September, 8). Brassica flour enrichment of a soup based on Atlantic Diet ingredients and Portuguese and Galician elderly consumer perception. XV Encontro de Química dos Alimentos, Sociedade Portuguesa de Química, Madeira, Portugal. <https://xveqa.events.chemistry.pt/images/book.pdf>
- Faria, L.M.G., Ferreira, A., **Araújo, J.P. & Cerqueira, J.O.L.**, (2021, March, 12-13). Produtividade e composição do leite de vaca em explorações do Norte de Portugal. VIII Jornadas de Bovinicultura da UTAD, Vila Real, Portugal. https://www.researchgate.net/publication/358595351_Produtividade_e_composicao_do_leite_de_vaca_em_exploracoes_do_Norte_de_Portugal
- Fernandes S., **Barbosa C. & Alves MR.** (2021, September, 5-8). Development of a free from mayonnaise supported by rheological studies. XV Encontro de Química dos Alimentos: Alimentos: Estratégias para a Excelência, Autenticidade, Segurança e Sustentabilidade Alimentar. Madeira, Portugal. <https://xveqa.events.chemistry.pt/images/book.pdf>

- Ferreira, H. & **Pinheiro, R.** (2021, November, 23-26). Comparison of different preservation methods on the microbiological, texture and color properties of industrial bread during storage time. Microbiotec 21 – Congress of Microbiology and Biotechnology. Lisboa, Portugal. https://microbiotec21.organideia.pt/wp-content/uploads/2021/11/Abstracts-Book_vf-1.pdf
- Ferreiro, J.M., **Araújo, J.P.**, **Cerqueira, J.L.**, Kowalczyk, A., Cantalapiedra, J. & Iglesias, A., (2021, October, 29-30). Analysis of the scrotal circumference of young Galician blonde bulls using non-linear models of growth curves. XXII Congresso de Zootecnia, nos dias 29 e 30 de outubro, Vila Real, Portugal. https://www.researchgate.net/publication/358594951_21-poster-6_Rubia_Gal-APEZ_21
- Gomes, S., **Alves, M.R.** & **Barbosa, C.** (2021, September, 5-8) Chocolate enrichment with vitamin C: camu camu and E300. XV Encontro de Química dos Alimentos: Alimentos: Estratégias para a Excelência, Autenticidade, Segurança e Sustentabilidade Alimentar. Madeira, Portugal. <https://xveqa.events.chemistry.pt/images/book.pdf>
- Maia, C.M., **Araújo, J.P.**, **Cerqueira, J.O.L.**, Fonseca, F.M. & **Soares, M.L.**, (2021, October, 29-30). Desempenho produtivo da raça autóctone avícola Branca até à décima semana. XXII Congresso de Zootecnia, Vila Real, Portugal. https://www.researchgate.net/publication/358265796_21-Poster-4_Aves_APEZ_21
- Meira, M., Afonso, I. M., Lopes, J.C., Vale, A.P., Ribeiro, V., Dantas, R., Leite, J. V. & **Brito, N.V.**, (2021, October, 29-30). Caracterização Físico-Química da Carne das Raças Avícolas Autóctones Portuguesas: Raça Branca, Amarela, Pedrês Portuguesa e Preta Lusitânica. XXII ZOOTECA - Congresso Nacional de Zootecnia, Vila Real, Portugal.
- Moura, L.**, Mano, A., Amorim, A., Coelho, V. & **Rodrigues, R.** (2021, November, 23-26). Evaluation of the entomopathogenic fungus, *Beauveria bassiana* as a biocontrol agent against the chestnut moth, *Cydia splendana* in the Minho region. MICROBIOTEC 21-Congress of Microbiology and Biotechnology. https://microbiotec21.organideia.pt/wp-content/uploads/2021/11/Abstracts-Book_vf-1.pdf
- Pinto, R. Brito, L.M.**, Mourão, I., **Moura, L.** Durão, J., Peixoto, V. & **Valin, I.** (2021, October, 28-29). Avaliação do processo de compostagem de engaço de uva com estrume de bovino. Encontro Nacional da Sociedade de Ciências do Solo, Escola Superior Agrária de Elvas, Politécnico de Portalegre, Elvas, Portugal. https://drive.google.com/file/d/1WWJL_Ncw17F2rOTix3CI39f9JmiKT4Fv/view?usp=sharing
- Pinto, R. Brito, L.M.**, Mourão, I., **Moura, L.**, Durão, J., Peixoto, V. & **Valin, I.** (2021, October, 28-29). Efeito de doses crescentes de compostados de engaço de uva com estrume de bovino no crescimento da alfaca. Encontro Nacional da Sociedade de Ciências do Solo, Escola Superior Agrária de Elvas, Politécnico de Portalegre, Elvas, Portugal. <https://drive.google.com/file/d/1ISZIPCvo0V8d76I26SmlkJcwJWZOI-Uc/view?usp=sharing>
- Rego, R., Pires, D. P., Monte, R., Azeredo, J. Santos, C. & **Moura, L.** (2021, November, 23-26). Biocontrol of *Pseudomonas syringae* pv. *actinidiae* in kiwi plants using bacteriophages. MICROBIOTEC 21-Congress of Microbiology and Biotechnology. https://microbiotec21.organideia.pt/wp-content/uploads/2021/11/Abstracts-Book_vf-1.pdf
- Reis, N.**, Brites, C. & **Vaz-Velho, M.** (2021, November, 18-19). Solvent and temperature influence on the microwave-assisted extraction yield of rice bran oil from three varieties of Carolino Rice. Dare2Change- Innovation-Driven Agrifood Business, Porto, Portugal. <https://doi.org/10.13140/RG.2.2.20249.90721>
- Reis, N.**, Brites, C. & **Vaz-Velho, M.** (2021, September, 5-8). Impact of rice bran stabilization by microwave-assisted technology on the extracted oils yields. XV Encontro de Química dos Alimentos, Funchal, Portugal. <https://xveqa.events.chemistry.pt/images/book.pdf>
- Rocha, R.**, **Vaz Velho, M.**, **Fernandes, P.** & **Santos, J.** (2021, September, 5-8). Comparison of Lactic Acid Bacteria content of two Portuguese DOP cheeses - Serra da Estrela and Azeitão. XV Encontro de Química dos Alimentos, Funchal, Portugal. <https://xveqa.events.chemistry.pt/images/book.pdf>

- Silva, F.G., Conceição, C., **Cerqueira, J.L.**, Andrade, A., Azevedo, I., Pedro, S., Ramalho, J., Fernandes, B., Pereira, A. & Silva, S.R. (2021, October, 29-30). Efeito da diarreia neonatal na resposta termorregulatória de vitelos em stresse térmico. XXII Congresso de Zootecnia, Vila Real, Portugal
- Solinho, J. & **Pinheiro, R.** (2021, September, 5-8). Enriquecimento de filetes de Sarrajão (Sarda sarda) através da aplicação de revestimentos à base de proteína vegetal e animal. XV Encontro de Química dos Alimentos: Estratégias para a Excelência, Autenticidade, Segurança e Sustentabilidade Alimentar, Madeira, Portugal. <https://xvega.events.chemistry.pt/images/book.pdf>
- Sousa, R., Araújo, A., **Barros, M. & Barbosa, C.** (2021, November, 23-26). Influence of modified atmosphere packaging on multicereal bread quality and microbiological stability over storage. MICROBIOTEC'21- Congress of Microbiology and Biotechnology, Lisboa, Portugal. https://microbiotec21.organideia.pt/wp-content/uploads/2021/11/Abstracts-Book_vf-1.pdf
- Vaz, P. S., Pais, J., Garcia, S. & **Araújo, J.P.** (2021, October, 29-30). Teste de desempenho produtivo em machos Aberdeen-Angus. XXII Congresso de Zootecnia, Vila Real, Portugal. https://www.researchgate.net/publication/358594947_Vaz_P_S_Pais_J_Garcia_S_Araujo_J_P_2021_October_29-30_Testes_de_desempenho_produtivo_em_machos_Aberdeen-Angus_XXII_Congresso_de_Zootecnia_Vila_Real_Portugal

2.2. Organizing committees (24)

- Araújo, J.P., Afonso, I., Cerqueira, J., Cardoso, M. e Soares, L. Cerqueira, J. Fernandes, S. & Mateus, T.** (2021). Jornadas de Ciências Animais, Webinar: Recursos Genéticos Animais - valorização das zonas de montanha, âmbito da 5ª Semana das Ciências da Vida e da Terra (Terra.ECO), 8 de janeiro de 2021, Ponte de Lima, Portugal. [Webinar_Ciencias_Animais.pdf \(ipvc.pt\)](Webinar_Ciencias_Animais.pdf(ipvc.pt))
- Fialho, S.** (2021). Annual Meeting 2021 “Global Health: New trends”, 17 a 19 de junho, Escola Superior de Tecnologia da Saúde de Coimbra, Coimbra, Portugal. <https://skyros-congressos.pt/am2021/index.php>
- Madureira, T.** (2021). Coordenação e organização da 4ª Edição da Sessão de incentivo ao empreendedorismo. ESA. http://portal.ipvc.pt/portal/page/portal/esa/esa_noticias_agenda/2020/empreendedorismo
- Mata, F., Duarte, C. & Vaz-Velho** (2021). Meeting CISAS 21 Fruits and Vegetables-Growing “Green” Webinar I- Primary Production, 29 de setembro de 2021, Viana do Castelo, Portugal, https://tech.ipvc.pt/files/cisas_eventos/webinar1.pdf
- Mata, F., Duarte, C. & Vaz-Velho, M.** (2021). Meeting CISAS 21 Fruits and Vegetables-Growing “Green” Webinar II- Food Processing, 13 de outubro de 2021, Viana do Castelo, Portugal, https://tech.ipvc.pt/files/cisas_eventos/webinar2.pdf
- Mata, F., Duarte, C. & Vaz-Velho, M.** (2021). Meeting CISAS 21 Fruits and Vegetables-Growing “Green” Webinar III- Distribution, Retail and Consumers, 27 de outubro, Viana do Castelo, Portugal, https://tech.ipvc.pt/files/cisas_eventos/webinar3.pdf
- Mateus, T.L.** (2021). XII Reunião de Ungulados Silvestres Ibéricos. Gestão e sanidade de populações de ungulados selvagens (espaços abertos vs. Cercados). UTAD. Book of Abstracts <https://reuniaoungulados.wixsite.com/rusi/ayuda>
- Moura, L., Rodrigues, R., Queiroz, A., Rodrigues, A.S., Paredes, C., Mourão, I., Valín, I., Alonso, J., Soares, L., Cardoso, M., dos Santos, M., Brito, L.M., Araújo, J.P.** (2021). 7ª Jornada de Ciências Agronómicas – Webinar Progressos e Novos Desafios na Proteção das Culturas”, no âmbito da 5ª Semana das Ciências da Vida e da Terra, ESA/IPVC, 11 de janeiro de 2021, Ponte de Lima, Portugal.

http://portal.ipvc.pt/portal/page/portal/esa/esa_noticias_agenda/2021/jornadas-ciencias-agronomicas/comissao-org

- Pinheiro R.** (2021). Webinar- Fatores críticos de sucesso para implementar práticas mais eficientes na Embalagem do setor agroalimentar, 16 de novembro de 2021, Viana do Castelo, Portugal, <https://www.youtube.com/watch?v=YZCxgbAX8RA>
- Pinheiro, R. & Duarte, C.** (2021). Dia da Ciência e Tecnologia Alimentar, 15 de abril de 2021, Viana do Castelo, Portugal, <https://www.pnjcta.ipvc.pt/cta/>
- Queiroz, A., **Rodrigues, A.S.**, Paredes, C., Mourão, I., **Valín, I.**, Alonso, J., **Soares, L., Moura, L., Cardoso, M.**, dos Santos, M., **Brito, L.M., Pedro Araújo, J.P., & Rodrigues, R.** (2021). 8^{as} Jornadas de Ciências Agronómicas, no âmbito da Semana da 6^a semana Ciências da Vida e da Terra, 24 de novembro de 2021, Ponte de Lima, Portugal, <https://www.ipvc.pt/esa/wp-content/uploads/sites/2/2021/11/Jornadas-CienciasAgronomicas-Nov2021-v1.pdf>
- Rodrigues, A.C., Ferraz, A.I., Paredes, C., **Nunes, F.**, Dias, G., Martins, H., **Valin, I.**, Alonso, J., Nogueira, J., Nunes, L., **Brito, L.M.**, Carrança, P., Rodrigues, P., Castro, P., Silva, S., Simões, S., Costa, S. & Ramos. V. (2021). 11^{as} Jornadas em Ciência e Engenharia do Ambiente – Economia criativa para o Desenvolvimento Sustentável. 23 a 25 de novembro, Ponte de Lima, Portugal. <https://www.ipvc.pt/esa/wp-content/uploads/sites/2/2021/11/Jornadas-CienciasAmbientais-Nov2021-v3.pdf>
- Rodrigues, A.C., **Guedes, A.**, Serrano, H., Santos, I.R., Nogueira, J., Nunes, L., Martins-Loução, M.A., Gabriela, M., Oliveira, R., Simões, S. & **Moura, L.** (2021). 20^o Encontro Nacional de Ecologia - Conhecimento ao serviço das áreas classificadas. ESA/IPVC, 1 a 4 Dezembro de 2021, Ponte de Lima, Portugal, <https://www.speco.pt/pt/iniciativas/congressos/nacionais/20-encontro-nacional-de-ecologia>
- Rodrigues, A.C., Ferraz, A., **Vale, A.P.**, Queiroz, A., **Afonso, I., Lopes, J.C. & Guedes, A.** (2021). 9as Jornadas das Ciências Biotecnológicas no âmbito da 6^a Semana das Ciências da Vida e da Terra (Terra.ECO), 23 novembro, Ponte de Lima, Portugal, <https://www.ipvc.pt/esa/wp-content/uploads/sites/2/2021/12/Jornadas-CienciasBiotecnologicas-Nov2021-v1.pdf>
- Rodrigues, A. C., Ferraz, A., **Vale, A.P.**, Queiroz, A., **Afonso, I., Lopes, J.L. & Guedes, A.** (2021). Jornadas de Ciências Agronómicas - Webinar “Biotecnologia e Bioeconomia”, no âmbito da 5^a Semana das Ciências da Vida e da Terra.Terra.ECO, 6 janeiro, Ponte de Lima, Portugal. https://www.ipvc.pt/esa/wp-content/uploads/sites/2/2022/02/Webinar_Biotecnologia_Bioeconomia.pdf
- Reis, J., Cerqueira, J., Araújo, J.P., Lopes, J.C., Brito, N. & Mateus, T.** (2021). Jornadas de Ciências Animais e Veterinárias, no âmbito da 6^a Semana das Ciências da Vida e da Terra (Terra.ECO), 22 de novembro de 2021, na ESA-IPVC, Ponte de Lima, Portugal. <https://www.ipvc.pt/esa/wp-content/uploads/sites/2/2021/11/Jornadas-CienciasAnimaisVeterinarias-Nov2021.pdf>
- Rodrigues, R., Moura, L., Mourão, I & Brito, L.M.** (2021). IV MANHÃ BIO - Jornada de Fruticultura Biológica, ESA-IPVC, 26 Junho 2021, Ponte de Lima, Portugal, <https://www.ipvc.pt/esa/iv-manha-bio-jornada-de-fruticultura-biologica/>
- Santos, J. & Brito, N.** (2021). Congresso Internacional de Enogastronomia “Amar o Minho”. 22-23 de outubro. Ponte de Lima, Portugal. Organization Consórcio Minho Lima, CISAS/IPVC & Amar o Minho. <http://www.minhoin.com/noticias/detalhes.php?id=948&fbclid=IwAR0a4O8JNzzM9VHMhdCT2Gm4-dQR8-ijTqZUrav2eAtaClf-D-3jAQYpenA> <https://feeltravelminho.pt/ponte-de-lima-recebe-congresso-internacional-de-enogastronomia/>

- Vasconcelos, M.** (2021). “Workshop Colheita e Testagem Rápida ao SARS-CoV-2”, organizado pela Unidade Científico-Pedagógica de Ciências Biomédicas e Laboratoriais e pela Comissão de Infecções Emergentes da Escola Superior de Tecnologia da Saúde de Coimbra, 30 de junho 2021. <https://www.estesc.ipc.pt/?search-type=general&s=pand%C3%A9micas&sentence=1>
- Vasconcelos, M.** (2021). Ciclo de Sensibilização/formação – Qualidade e SIGQ – Contexto histórico e SIGQ, Escola Superior de Tecnologia da Saúde de Coimbra, nos dias 8, 9 e 15 de junho de 2021.
- Vasconcelos, M.** (2021). “Controlo do risco de exposição à Legionella em situações epidémicas e pandémicas”, Escola Superior de Tecnologia da Saúde de Coimbra, 15 de março de 2021 (online) <https://www.facebook.com/ESTeSC.IPC/videos/924766154941410>
- Vasconcelos, M.** (2021). Seminário “Gestão do Risco em situações epidémicas e pandémicas”, Escola Superior de Tecnologia da Saúde de Coimbra, 8 de março de 2021 (online) <https://forum.pt/eventos/gestao-de-risco-durante-uma-pandemia-no-ensino-superior-em-debate-na-estesc>
- Vaz-Velho, M.** (2021). Jornadas NUTRIAGE (online). Promoção do Envelhecimento Saudável através da Dieta Atlântica. Instituto Politécnico de Viana do Castelo, 18 de março de 2021. <https://www.ipvc.pt/nutriage-envelhecimento-saudavel/>
- Vaz-Velho, M.** (2021). X Foro Iberoamericano de los Recursos Marinos y la Acuicultura - X FIRMA 2021 online, 7-12 de fevereiro de 2021. <https://firmaonline.org/xfirma/comite.php>

2.3. Scientific committees (11)

- Brito, L. M.** (2021). Encontro Nacional da Sociedade Portuguesa da Ciência do Solo, 28-29 de outubro, Escola Superior Agrária de Elvas do Instituto Politécnico de Portalegre, Portalegre, Portugal. <http://eacs2021.iipportalegre.pt/comissao-cientifica/>
- Brito, L. M.** (2021). II Seminário da Rede Incêndios – Solo. Incêndios, Solos e Território: da ameaça à sustentabilidade, 13 a 15 de outubro, Bragança, Portugal. <https://iisris.riscos.pt/comissao-cientifica/>
- Brito, L. M.** (2021). XIV Encontro Nacional de Riscos. Risco de Cheias e Risco de Inundações Fluviais. Aprender com o Passado, 16 a 17 de julho, Coimbra, Portugal. <https://xivenr.riscos.pt/comissao-cientifica/>
- Cerqueira, J. & Araújo, J.P.** (2021). XXII Congresso Nacional de Zootecnia (ZOOTEC XXII), realizado nos dias 29 e 30 de outubro de 2021, Vila Real, Portugal, <http://www.zootec.apez.pt/>
- Ferreira-Oliveira, A. T.** (2021) PAEE/ALE, 12th International Symposium on Project Approaches in Engineering Education (PAEE), 17th Active Learning in Engineering Education Workshop (ALE), 7-8 Julho, Braga, Portugal <http://green.dps.uminho.pt/paeeale2021/index.php/committees-new/>
- Fialho, S.** (2021). PosterWeek 16/2021 – II Virtual Poster Week, 13 e 17 de dezembro. Escola Superior de Tecnologia da Saúde de Coimbra, Coimbra, Portugal. https://comum.rcaap.pt/bitstream/10400.26/38410/1/Livro%20Resumos-PW16_21_vf.pdf
- Mateus, S.** (2021). XII Reunião de Ungulados Silvestres Ibéricos. Gestão e sanidade de populações de ungulados selvagens (espaços abertos vs. Cercados). UTAD, Vila Real, Portugal. Book of Abstracts <https://reuniaoungulados.wixsite.com/rusi/ayuda>
- Mateus, T.** (2021). XVII Congresso Internacional Veterinário Montenegro e XI Congresso de Enfermagem Veterinária. Medicina Interna Sem Segredos. (Comissão Científica e Moderação de Mesa). Santa Maria da Feira, Portugal. <https://congressohvm.com/2021/comissao-cientifica-enfermagem/>

- Rodrigues, A.S.** (2021). Membro do Comité de Coordenação do Grupo de Trabalho “Práticas Inspiradoras de Responsabilidade Social”, do ORSIES, Lisboa, Portugal. <https://www.orsies.forum.pt/#GTrabalho>
- Vaz-Velho, M.** (2021). Comissão Científica do Dare2Change- Innovation-Driven Agrifood Business, 18-19 novembro, Centro de Congressos do Super Bock Arena-Porto, Portugal. <https://www.dare2change.pt/index.php/sobre-o-evento/organizacao>
- Vaz-Velho, M.** (2021). Comissão Científica do XV Encontro de Química dos Alimentos. Organização Sociedade Portuguesa de Química/Universidade da Madeira. 5-8 de setembro, Madeira, Portugal. <https://xvega.events.chemistry.pt/?ver=committee#committee>

3. Masters awarded (15)

- Amorim, A. (2021). *Dryocosmus kuriphilus* Yasumatsu (Hymenoptera: Cynipidae) no Minho: bioecologia da praga, parasitoides nativos e controlo biológico com *Torymus sinensis* (Kamijo) (Hymenoptera: Torymidae). Mestrado em Agricultura Biológica. Escola Superior Agrária, Instituto Politécnico de Viana do Castelo, 50p.. Supervisors: **Moura, L.** and **Rodrigues, R.** <http://hdl.handle.net/20.500.11960/2633>
- Barbosa, A.M.S. (2021). “Qualidade da carne de duas raças bovinas, embalada em atmosfera modificada e a vácuo: comparação da raça e sistema de embalagem nos parâmetros da qualidade”, Instituto Politécnico de Viana do Castelo. Supervisors: Pires, P. and **Barbosa, C.** <http://repositorio.ipvc.pt/handle/20.500.11960/2551>
- Coelho, A. A. (2021). Importância da cláusula 8 da norma NP EN ISO 22000:2018 na empresa Cergold indústrias. Supervisor: **Pinheiro, R.**
- Costa, A.R.R. (2021). Aplicação da metodologia seis sigma no controlo de máquinas de embalagem: Caso de estudo na empresa Lanhoso Torrefação de Cafés. Mestrado em Eng^a Alimentar. Supervisors: **Alves, M.R.** and **Barbosa, C.** <http://repositorio.ipvc.pt/handle/20.500.11960/2550?mode=full>
- Costa, D.F. (2021). Estudo da influência do tratamento térmico de soluções de cereais no comportamento microbiano: a pré-acidificação. Mestrado em Eng. Alimentar. Supervisors: **Fernandes, P.** and **Martins, C.** <http://hdl.handle.net/20.500.11960/2600>
- Costa, R. (2021). Avaliação da utilização de redes foto-seletivas na produtividade, qualidade dos frutos e incidência de Psa num pomar de kiwi ‘Hayward’. Mestrado em Agricultura Biológica. Escola Superior Agrária, Instituto Politécnico de Viana do Castelo. Supervisors: Mourão, I. and **Moura, L.** <http://hdl.handle.net/20.500.11960/2607>
- Costa, S. (2021). Desenvolvimento e valorização de vegetais desidratados, a partir de excedentes da indústria, com diferentes métodos de secagem. Supervisor: **Pinheiro, R.**
- Cruz, N.C.N. (2021). Contributo da avaliação dos auditores internos para a eficiência do Sistema de Gestão da Qualidade- Caso de estudo: O Sistema de Gestão da Qualidade do Instituto Politécnico de Viana do Castelo. Mestrado em Gestão das Organizações – Ramo Gestão de Empresas [MGO-GE], ministrado na Escola Superior de Tecnologia e Gestão do Instituto Politécnico de Viana do Castelo (ESTG-IPVC). Supervisor: **Rodrigues, A.S.** <http://hdl.handle.net/20.500.11960/2638>
- Dantas, D. (2021). *Salmonella* spp em répteis e anfíbios. IPVC - Mestrado em Enfermagem Veterinária de Animais de Companhia. Supervisors: **Mateus, T. L.** and **Santos, J.** <http://hdl.handle.net/20.500.11960/2643>
- Domingues, J., (2021). Caracterização e valorização de bagas e frutos silvestres autóctones da região do Alto Minho, Universidade do Minho. Supervisors: Rodrigues, L. and **Afonso, I.M.** <https://www.ceb.uminho.pt/Publications/Details/54648>

- Fernandes, S., (2021). Desenvolvimento de um produto tipo Maionese light vegan e sem glúten. Mestrado em Eng^a Alimentar. Supervisors: **Barbosa, C.** and **Alves, M.R.** <https://www.ipvc.pt/estg/eventos/mestrado-em-engenharia-alimentar/>
- Ferreira, H. (2021). Estudo do comportamento das propriedades da massa de pão tipo “Bijou” durante o tempo de armazenamento com diferentes métodos de conservação. Supervisor: **Pinheiro, R.**
- Mesquita, S. (2021). Dirofilariose canina no concelho de Ovar – estudo epidemiológico. IPVC - Mestrado em Enfermagem Veterinária de Animais de Companhia. Supervisor: **Mateus, T. L.** <http://hdl.handle.net/20.500.11960/2622>
- Oliveira, F. (2021). Consciencialização e práticas associadas às zoonoses entre pecuaristas da Ilha de Santiago, Cabo Verde. IPVC - Mestrado em Enfermagem Veterinária de Animais de Companhia. Supervisor: **Mateus, T. L.** <http://hdl.handle.net/20.500.11960/2634>
- Ricardo, Torgo., (2021) Compostagem de resíduos de vitivinicultura e seu efeito na vinha. Universidade de Trás-os-Montes e Alto-Douro. Plataforma de Inovação da Vinha e do Vinho - INNOVINE&WIN- Mestrado em Eng. Agronómica. Supervisors: **Pinto, R.** and Coutinho, J., Torres, L.