

DELIBERAÇÃO

3.3 – PROCEDIMENTO CONCURSAL DE RECRUTAMENTO E SELEÇÃO PARA O CARGO DE DIREÇÃO INTERMÉDIA DE 2º GRAU, CHEFE DA DIVISÃO DE OBRAS E URBANISMO – Autorização para abertura do procedimento e designação do júri. A Câmara Municipal **deliberou por unanimidade** ao abrigo do disposto nos artigos 20.º e 21.º da Lei n.º 2/2004, de 15 de janeiro, na sua redação atual, e nos artigos 12.º e 13.º da Lei n.º 49/2012, de 29 de agosto, na sua atual redação, autorizar a abertura de procedimento concursal para seleção de um dirigente intermédio de 2.º grau, referente ao seguinte cargo de direção, Chefe da Divisão da Divisão de Obras e Urbanismo. Mais **deliberou por unanimidade** ao abrigo do disposto no artigo 13.º da Lei n.º 49/2012, de 29 de Agosto, na sua redação atual, propor à apreciação e aprovação da Assembleia Municipal, a seguinte designação do júri do procedimento: como presidente o Senhor Pró Presidente do Instituto Politécnico de Viana do Castelo - António José Candeias Curado, como vogais a Dr.ª Maria Sofia Fernandes Velho de Castro Araújo, Chefe da Divisão de Administração Geral, e o Eng.º Rogério Lopes Margalho Oliveira Pereira, Chefe da Divisão de Estudos e Projetos. _____

Reunião de Câmara Municipal de 7 de dezembro de 2021,
A CHEFE DE DIVISÃO/DAG,

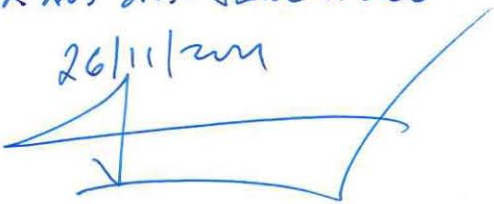


Sofia Velho/Dra.

Parecer:

Despacho:

À Presidência de Lima
Cópia nos Srs. J. J. J. J. J.
26/11/2021



INFORMAÇÃO_2021 "msaraujo"

DATA: 24/11/2021

DE: Chefe da DAG

PARA: Presidente

CC:

ASSUNTO: Procedimento Concursal

Informação:

Senhor Presidente de acordo com o previsto no art.º 13º da Lei n.º 49/2012, de 29 de Agosto, na sua redação atual, é da competência da Assembleia Municipal, sob proposta da Câmara Municipal, a designação do Júri de recrutamento, composto por um Presidente e dois vogais.

O presidente é designado de entre personalidades de reconhecido mérito profissional, credibilidade e integridade pessoal, os vogais são designados de entre personalidades de reconhecido mérito profissional, credibilidade e integridade pessoal, cuja atividade seja ou tenha sido exercida preferencialmente na área dos recursos humanos ou da administração local autárquica.

Assim propõe-se que a Câmara delibere no sentido de proceder à abertura:

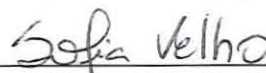
- do Procedimento Concursal de Recrutamento e Seleção para o cargo de direção intermédia de 2.º grau, Chefe da Divisão de Obras e Urbanismo.

Mais delibere no sentido de designar o Júri do procedimento, que deve ser aprovado pela Assembleia Municipal, propondo para presidente o Senhor Pró Presidente do Instituto Politécnico de Viana do Castelo - António José Candeias Curado, anexando para o efeito o seu currículo.

Deverá ainda designar os dois vogais: Dr.ª Maria Sofia Fernandes Velho de Castro Araújo, Chefe da Divisão de Administração Geral, e Eng.º Rogério Lopes Margalho Oliveira Pereira, Chefe da Divisão de Estudos e Projetos.

À consideração superior,

A Chefe da DAG,



(Sofia Velho, Dr.ª)

Divisão de Administração Geral

De: Divisão de Administração Geral <daf@cm-pontedelima.pt>
Enviado: 23 de novembro de 2021 13:59
Para: 'antonio.curado@ipvc.pt'
Cc: Presidente Eng.º Vasco (vascoferraz@cm-pontedelima.pt)
Assunto: designação

Importância: Alta

Ex.mo Senhor Pró Presidente do Instituto Politécnico
De Viana do Castelo
António José Candeias Curado

Na sequência do solicitado pela Câmara Municipal de Ponte de Lima, foi sua ex.ª designado para presidir ao concurso de recrutamento de um dirigente para a Divisão de Obras e Urbanismo da Câmara Municipal de Ponte de Lima.

De acordo com o previsto no art.º 13º da Lei n.º 49/2012, de 29 de Agosto, na sua redação atual, é da competência da Assembleia Municipal, sob proposta da Câmara Municipal, a designação do Júri de recrutamento, composto por um Presidente e dois vogais.

O presidente é designado de entre personalidades de reconhecido mérito profissional, credibilidade e integridade pessoal, os vogais são designados de entre personalidades de reconhecido mérito profissional, credibilidade e integridade pessoal, cuja atividade seja ou tenha sido exercida preferencialmente na área dos recursos humanos ou da administração local autárquica.

Face ao exposto, encarrega-me o Senhor Presidente da Câmara Municipal de Ponte de Lima, Eng.º Vasco Ferraz, considerando que a proposta do júri do recrutamento a apresentar à Câmara Municipal e à Assembleia Municipal, deverá ser acompanhada do currículo do seu presidente, de lhe solicitar o envio do respetivo currículo para fazer constar daquela, o qual pode ser enviado por esta mesma via.

Ao dispor para os esclarecimentos que entenda por convenientes,

Com os melhores cumprimentos,
Sofia Velho

Divisão de Administração Geral
Chefe de Divisão



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Instituto Politécnico
de Viana do Castelo

13/11/2021
13/11/2021

Exmo. Senhor
Presidente da Câmara Municipal Ponte
de Lima
Eng.º Vasco Nuno Almeida Ferraz
Praça da República
4990-062 Ponte de Lima

Sua referência	Sua comunicação de	Nossa referência	Data
		2021-11-16	0956

Assunto: Concurso de recrutamento-Dirigente para Divisão de Obras e Urbanismo

Em resposta ao Vosso ofício sobre o assunto mencionado em epígrafe, informo V. Ex.ª. que designo o Senhor Pró Presidente do Instituto Politécnico de Viana do Castelo [IPVC], António José Candeias Curado (email: antonio.curado@ipvc.pt) para presidir ao concurso de recrutamento de um dirigente para a Divisão de Obras e Urbanismo da Câmara Municipal de Ponte de Lima.

Com os nossos cumprimentos,

O Presidente do IPVC,


Carlos Manuel Silva Rodrigues

fc./

ANTÓNIO JOSÉ CANDEIAS CURADO

CURRICULUM VITAE

November 2021

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1. Personal Information

Name: António José Candeias Curado

Date of Birth: July 23, 1973

Place of Birth: Barreiro, Portugal

Portuguese ID Card Number: 10082069

Marital Status: Married

Home Address: Rua Dr. Ribeiro da Silva, n.º 295, 9.º Direito. Tras., 4900-454 Viana do Castelo, Portugal

Business Address: Avenida do Atlântico, n.º 644, 4900-348 Viana do Castelo, Portugal

E-mail: acurado@estg.ipvc.pt

Member of the Following Professional Bodies and Associations:

- Senior Member of the Portuguese Chamber of Civil Engineers (OE\ n.º58622);
- Member of the Portuguese Energy Agency Board of Experts in Energy Certification (ADENE\PQ00417);
- Member of the Portuguese Association for the Quality of Building Instalations (ANQIP);
- Board Member of proMetheus — Research Unit in Materials, Energy and Environment for Sustainability;

Former Position:

- Professor at Polytechnic Institute of Viana do Castelo, Portugal.

Current Position:

- Pro-President for Sustainability and Built Patrimony at Polytechnic Institute of Viana do Castelo, Portugal.

2. Professional and Academic Background

University diploma in Civil Engineering awarded by “Instituto Superior Técnico”, Technical University of Lisbon in 1997, with the final classification of “Good”.

Building Director in the Civil Construction Company “Vieira & Soares, Sociedade de Construção Civil Lda.”, Oporto, Portugal, in 1997.

Civil Engineering Designer and Projects Consultant in the Civil Engineering Company “Vitor Abrantes Consultoria e Projetos de Engenharia Lda.”, Oporto, Portugal, from 1998 to 2001.

Postgraduate Diploma in Buildings Construction awarded by “Faculdade de Engenharia da Universidade do Porto”, Faculty of Engineering of the University of Oporto in 1999, with the final classification of “Very Good”.

Assistant Lecturer at “Instituto Politécnico de Viana do Castelo”, Polytechnic Institute of Viana do Castelo, from 2001 to 2014.

MSc in Construction Engineering awarded by “Faculdade de Engenharia da Universidade do Porto”, Faculty of Engineering of the University of Oporto in 2004, with the final classification of “Very Good”.

In 2004 received the “Professor Barbosa de Abreu” award for the best MSc Thesis bestowed by the Faculty of Engineering of the University of Oporto.

Expert in Energy Certification of the Portuguese Energy Agency Board (ADENE), since 2007. Member of the Portuguese Energy Agency Board of Experts in Energy Certification.

Coordinator of 5 training courses for Experts in Energy Certification of the Portuguese Energy Agency Board (ADENE), held at Polytechnic Institute of Viana do Castelo between 2007 and 2010.

PhD Thesis in Civil Engineering awarded by Faculdade de Engenharia da Universidade do Porto in 2014, with the final classification of “Very Good”, with distinction and by unanimity.

Professor at “Instituto Politécnico de Viana do Castelo”, Polytechnic Institute of Viana do Castelo since April 2014.

Member of CONSTRUCT – Institute of R&D in Structures and Construction of Faculty of Engineering of the University of Oporto since 2015.

Board member of proMetheus — Research Unit in Materials, Energy and Environment for Sustainability since 2018 (Head from 2018 to 2021).

Pro-President for Sustainability and Built Patrimony at Polytechnic Institute of Viana do Castelo, Portugal, since July 2019.

3. Publications

3.1. Thesis (2)

2.

Curado, A., "Conforto Térmico e Eficiência Energética nos Edifícios de Habitação Social Reabilitados", Ph.D. Thesis, Faculty of Engineering of the University of Oporto, April 2014.

URL: https://sigarra.up.pt/flup/pt/pub_geral.pub_view?pi_pub_base_id=26374

1.

Curado, A., "As Tecnologias, os Materiais e Equipamentos nos Sistemas Prediais de Distribuição de Água.", M.Sc. Thesis, Faculty of Engineering of the University of Oporto, July 2004.

3.2. Book Series (11)

11.

Azeredo P., Curralo A., **Curado A.**, Lopes S.I. (2022) A Methodological Design Approach for Health Education: Indoor Radon Exposure Case Study. In: Martins N., Brandão D. (eds) Advances in Design and Digital Communication II. DIGICOM 2021. Springer Series in Design and Innovation, vol 19. Springer, Cham, DOI:10.1007/978-3-030-89735-2_44

10.

Mendes J., Curralo A., **Curado A.**, Lopes S.I. (2021) Fostering Sustainability on Campus: Design of an IoT-Enabled Smartbottle for Plastic Reduction in the Academic Environment. In: Raposo D., Martins N., Brandão D. (eds) Advances in Human Dynamics for the Development of Contemporary Societies. AHFE 2021. Lecture Notes in Networks and Systems, vol 277. Springer, Cham. DOI: 10.1007/978-3-030-80415-2_3

9.

Abreu A., Lopes S.I., Manso V. and **Curado A.** (2021). "Low-Cost LoRa-Based IoT Edge Device for Indoor Air Quality Management in Schools". In: Paiva S., Lopes S.I., Zitouni R., Gupta N., Lopes S.F., Yonezawa T. (eds) Science and Technologies for Smart Cities. SmartCity360° 2020. Lecture Notes of the Institute for Computer Sciences, Social

Informatics and Telecommunications Engineering, vol 372. Springer, Cham, DOI: 10.1007/978-3-030-76063-2_18

8.

Martins P., Lopes S.I., **Curado A.** (2021) Designing a FIWARE-Based Smart Campus with IoT Edge-Enabled Intelligence. In: Rocha Á., Adeli H., Dzemyda G., Moreira F., Ramalho Correia A.M. (eds) Trends and Applications in Information Systems and Technologies. WorldCIST 2021. Advances in Intelligent Systems and Computing, vol 1367. Springer, Cham, DOI: 10.1007/978-3-030-72660-7_53.

7.

Mendes J., Curralo A., **Curado A.**, Lopes S.I. (2021). "The Sustainable Smartbottle: A Proposed Design Methodology to Minimize Plastic Pollution." In: Martins N., Brandão D. (eds) Advances in Design and Digital Communication. Digicom 2020. Springer Series in Design and Innovation, vol 12. Springer, Cham, DOI: 10.1007/978-3-030-61671-7_27

6.

R. Azevedo, J. P. Silva, N. Lopes, **A. Curado** and S. I. Lopes (2020), "Short-Term Indoor Radon Gas Assessment in Granitic Public Buildings: A Multi-Parameter Approach". In: Rodrigues H., Gaspar F., Fernandes P., Mateus A. (eds) Sustainability and Automation in Smart Constructions. Advances in Science, Technology & Innovation (IEREK Interdisciplinary Series for Sustainable Development). 2021, Springer, Cham, DOI: 10.1007/978-3-030-35533-3_50

5.

Lopes S.I., Bogers S., Moreira P.M., **Curado A.** (2020). "A Visual Analytics Approach for Effective Radon Risk Perception in the IoT Era." In: Santos H., Pereira G., Budde M., Lopes S., Nikolic P. (eds) Science and Technologies for Smart Cities. SmartCity 360 2019. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, vol 323. Springer, Cham, DOI: 10.1007/978-3-030-51005-3_10

4.

Martins P., Lopes S.I., Pereira F., **Curado A.** (2020). "RnMonitor: An IoT-Enabled Platform for Radon Risk Management in Public Buildings." In: Santos H., Pereira G., Budde M., Lopes S., Nikolic P. (eds) Science and Technologies for Smart Cities.

SmartCity 360 2019. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, vol 323. Springer, Cham, DOI: 10.1007/978-3-030-51005-3_6

3.

Azevedo R., Silva J.P., Lopes N., **Curado A.**, Lopes S.I. (2020). "Short-Term Indoor Radon Gas Study in a Granitic School Building: A Comparative Analysis of Occupation Periods." In: Santos H., Pereira G., Budde M., Lopes S., Nikolic P. (eds) Science and Technologies for Smart Cities. SmartCity 360 2019. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, vol 323. Springer, Cham, DOI: 10.1007/978-3-030-51005-3_9

2.

S.I. Lopes, F. Pereira, J.M.N. Vieira, N.B. Carvalho and **A. Curado** (2019), Design of Compact LoRa Devices for Smart Building Applications. In: Afonso J., Monteiro V., Pinto J. (Eds.) Green Energy and Networking. GreeNets 2018. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, vol 269, pp 142-153, ISSN 1867-8211, Springer, Cham, https://doi.org/10.1007/978-3-030-12950-7_12

1.

Curado, A., (2010). Certificação Energética. In: Energias Renováveis, ed. Bárbara Gonçalves de Azevedo, 223 - 228. ISBN: 978-989-96529-0-3. Porto: Atelier Nunes e Pã. URL: http://arquivo.ateliernunesepa.pt/energias_renovaveis/

3.3. Journal Articles (27)

27.

P. Barros, **A. Curado**, S.I. Lopes, Barros, P.; Curado, A.; Lopes, S.I. Internet of Things (IoT) Technologies for Managing Indoor Radon Risk Exposure: Applications, Opportunities, and Future Challenges. Appl. Sci. 2021, 11, 11064. DOI: 10.3390/app112211064

26.

Sérgio Ivan Lopes, Leonel J. R. Nunes and **António Curado**, “Designing an Indoor Radon Risk Exposure Indicator (IRREI): An Evaluation Tool for Risk Management and Communication in the IoT Age. *Int. J. Environ. Res. Public Health* 2021, 18, 7907. DOI: <https://doi.org/10.3390/ijerph18157907>

25.

P. Martins, S.I. Lopes, A. M. R. Cruz and **A. Curado**, “Towards a Smart & Sustainable Campus: An Application-Oriented Architecture to Streamline Digitization and Strengthen Sustainability in Academia”, *Sustainability* 2021, 13, 3189, DOI: 10.3390/su13063189.

24.

F. Pereira, S.I. Lopes, N.B. Carvalho and **A. Curado**, “RnProbe: A LoRa-Enabled IoT Edge Device for Integrated Radon Risk Management”, in *IEEE Access*, vol. 8, pp. 203488-203502, 2020, DOI: 10.1109/ACCESS.2020.3036980

23.

A. Curado, S. I. Lopes, A. Antão, “On the relation of geology, natural ventilation and indoor radon concentration: the northern Portugal case study”. *Comunicações Geológicas*, vol. 107, nº 1, pp. 31-41. DOI: <http://hdl.handle.net/10400.9/3567>

22.

Sambento F., Curado A. (2020) "Technical and economic evaluation of a dark etics coating formulated with conventional pigments versus cool pigments", REHABEND2020, Pages 1600-1608, 8th Euro-American Congress on Construction Pathology, Rehabilitation Technology and Heritage Management, REHABEND 2020; Granada; Spain; 24 March 2020 through 27 March 2020; Code 253609

21.

Kevin Aleixo and **António Curado** (2020), “Envelope analysis of a habitable attic by the use of infrared thermography assessment”, *AIP Conference Proceedings* 2293, 260004 (2020); DOI: <https://doi.org/10.1063/5.0027669>

20.

A. Curado, J. P. Silva, S. I. Lopes, "Radon Risk Reduction in Public Buildings with Regular Occupancy: A Case Study in Minho Region, Portugal", IOP Conf. Ser.: Earth and Environmental Science, Volume 503, DOI: 10.1088/1755-1315/503/1/012068

19.

S. I. Lopes, P. M. Moreira, A. M. Cruz, P. Martins, F. Pereira and A. Curado, "RnMonitor: a WebGIS-based platform for expedite in situ deployment of IoT edge devices and effective Radon Risk Management," *2019 IEEE International Smart Cities Conference (ISC2)*, Casablanca, Morocco, 2019, pp. 451-457. DOI: 10.1109/ISC246665.2019.9071789

18.

Curado, A., Silva, J.P., Lopes, S.I., "Radon risk assessment in a low-energy consumption school building: A dosimetric approach for effective risk management", *Energy Reports* Volume 6, February 2020, Pages 897-902, ISSN 23524847, DOI: 10.1016/j.egy.2019.11.155.

17.

Kevin Aleixo and **António Curado** (2019), "Envelope analysis of a habitable attic by the use of infrared thermography assessment", *AIP Conference Proceedings* 2116, 250007 (2019); DOI: <https://doi.org/10.1063/1.5114247>.

16.

A. Curado, J. P. Silva, S. I. Lopes, "Radon risk analysis in a set of public buildings in Minho region, Portugal: from short-term monitoring to radon risk assessment", *Procedia Structural Integrity*, Volume 22, 2019, Pages 386-392, ISSN 2452-3216, DOI: 10.1016/j.prostr.2020.01.048

15.

A. Curado, J. P. Silva, S. I. Lopes, "Radon Risk Management in public buildings in northwest Portugal: from short-term characterization to the design of specific mitigation actions", *International Journal of Recent Technology and Engineering*, Volume 8 (1), 2019, Pages 90-96, ISSN 2277-3878, URL: 01.1617/vol6iss5pid001001.

14.

Ribas, D. A., **Curado, A.** & Cachim, P. B. (2019). Economical sustainability assessment for a set of façade walls with the same function equivalent - comparative analysis. In:

Mohamad Al Ali, Peter Platko (eds). Advances and Trends in Engineering Sciences and Technologies III. Proceedings of the 3rd International Conference on Engineering Sciences and Technologies (ESaT 2018), September 12-14, 2018, High Tatras Mountains, Tatranské Matliare, Slovak Republic. CRC Press 2019, Taylor & Francis Group. URL: <https://doi.org/10.1201/9780429021596>

13.

A. Curado, V. P. de Freitas (2019). "Influence of Thermal Insulation of Facades on the Performance of Retrofitted Social Housing Buildings in Southern European Countries", Journal Sustainable Cities and Society, Volume 48, 1015134. URL: <https://doi.org/10.1016/j.scs.2019.101534>

12.

F. Pereira, S. I. Lopes, J. M. N. Vieira, N. B. Carvalho and **A. Curado**, "Using Compact LoRa Devices for In-Building Communications", Proceedings of the 4th Smart City 360° Summit Demos, Guimarães, Portugal, 21 – 23 November 2018, EAI 2019, ISBN: 978-1-63190-172-0, ISSN: 2593-7650. DOI: [10.4108/eai.21-11-2018.2280604](https://doi.org/10.4108/eai.21-11-2018.2280604)

11.

S.I. Lopes, A. Cruz, P.M. Moreira, C. Abreu, J.P. Silva, N. Lopes, J. Vieira and **A. Curado (2018)**, "On the design of a Human-in-the-Loop Cyber-Physical System for online monitoring and active mitigation of indoor Radon gas concentration," 2018 IEEE International Smart Cities Conference (ISC2), Kansas City, MO, USA, 2018, pp. 1-8, DOI: [10.1109/ISC2.2018.8656777](https://doi.org/10.1109/ISC2.2018.8656777)

10.

A. Curado, Sara Rodrigues, Orlando Morais. (2018) "Assessment of adhesion of the walls coating in the old slaughterhouse of Viana do Castelo, using in situ pull-off tests", REHABEND Issue 221479, 2018, Pages 1089-1097, 7th Euro-American Congress on Construction Pathology, Rehabilitation Technology and Heritage Management, REHABEND 2018; Cáceres; Spain; 15 May 2018 through 18 May 2018; Code 221479. URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-85057955864&partnerID=MN8TOARS>

9.

S.I. Lopes, J.P. Silva, A. Antão, **A. Curado** (2018), "Short-Term Characterization of the Indoor Air Radon Concentration in a XII Century Monastery converted into a School Building", Energy Procedia, Volume 153, Pages 303-308, ISSN 1876-6102. URL: <https://doi.org/10.1016/j.egypro.2018.10.036>.

8.

J.M.P.Q. Delgado, Nuno M.M. Ramos, Ricardo Almeida, Maria Lurdes Simoes, Pedro Pereira, **António Curado**, Sara Soares, Silvia Fraga (2018). "Indoor hygrothermal conditions and quality of life in social housing: A comparison between two neighbourhoods", Journal Sustainable Cities and Society, Volume 38. pp. 80-90. URL: <https://doi.org/10.1016/j.scs.2017.12.016>

7.

A. Curado, J.P. Silva, L. Carvalho, S.I. Lopes (2017), "Indoor Radon Concentration Assessment in a Set of Single-Family Houses: Case Study held in Barcelos, North of Portugal", Energy Procedia, Volume 136, October 2017, Pages 109-114, ISSN 1876-6102. URL: <https://doi.org/10.1016/j.egypro.2017.10.295>

6.

Aleixo, K., **Curado, A.** (2017), "Energy Performance Analysis of a Detached Single-Family House to be Refurbished", AIP Conference Proceedings 1863, 440004 (2017); <https://doi.org/10.1063/1.4992608>.

5.

Ramos, N.M.M.; Almeida, R.M.S.F.; Pereira, P.F.; **Curado, A.**; Manuel, S. (2016). "Estanquidade ao Ar de Edifícios Portugueses: Influência nas Condições de Ventilação das Habitações", Journal "Construção Magazine", nº 68, pp.12-14, Julho-Agosto de 2015. URL: <http://www.construcaomagazine.pt/noticias/revista-n68-julho-agosto-2016/>

4.

Curado, A.; Freitas, V.P.; Ramos, N.M.M. (2016). "Conforto Térmico e Eficiência Energética nos Edifícios de Habitação Social Reabilitados – Caso de Estudo", Journal "Construção Magazine", nº 68, pp.24-26. URL: <http://www.construcaomagazine.pt/noticias/revista-n68-julho-agosto-2016/>

3.

Ramos, N.M.M., Almeida, R.M.S.F., **Curado, A.**, Pereira, P.F., Manuel, S., Maia, J. (2015). "Airtightness and ventilation in a mild climate country rehabilitated social housing buildings - What users want and what they get", Building and Environment, Volume 92, pp. 97-110 (2015). URL: <https://doi.org/10.1016/j.buildenv.2015.04.016>

2.

Ramos, N.M.M.; **Curado, A.**; Almeida, R.M.S.F. (2015), "Analysis of User Behavior Profiles and Impact on the Indoor Environment in Social Housing of Mild Climate Countries", Energy Procedia, 78, 561-566. URL: <https://doi.org/10.1016/j.egypro.2015.11.736>

1.

Curado, A.; Freitas, V.P.; Ramos, N.M.M. (2015), "Variability Assessment of Thermal Comfort in a Retrofitted Social Housing Neighborhood Based on "In Situ" Measurements", Energy Procedia, 78, pp. 2790-2795. URL: <https://doi.org/10.1016/j.egypro.2015.11.627>

3.5. Conference Papers (38)

38.

P. Barros, **A. Curado** and S.I. Lopes, "Indoor Radon Assessment in School Buildings: Where, When and How to measure?", Air Pollution 2021 – 29th International Conference on Modelling, Monitoring and Management of Air Pollution, 26–28 October, 2021.

37.

J. Silva, N. Lopes, A. Curado, L. J. R. Nunes, S. I. Lopes, "Designing a qualitative pre-diagnosis model for evaluation of radon potential in indoor environments", ICEER 2021 – 8th International Conference on Energy and Environment Research, 13- 17 September, Virtual conference, 2021.

36.

A. Curado, S. I. Lopes, IPVC Smart & Sustainable Campus (IPVC-S2C): o Campus como Ecosistema de Inovação, CCS 2021 – 3ª Conferência Campus Sustentável. Instituto Politécnico de Lisboa, 28-29 de outubro, 2021, Lisboa, Portugal, URI: <https://ccs2021.ipl.pt/>

35.

J. Mendes, A. Curralo, A. Curado, and S.I. Lopes, "Designing a Sustainable Smartbottle: practical case of Participatory Design to minimize plastic pollution", Digicom 2020 – 4th International Conference on Design and Digital Communication, Barcelos, Portugal, 5-7 November, 2020, Barcelos, Portugal,

34.

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A. Curado, S.I. Lopes (2016). "Radão, hóspede invisível e indesejado", In closing seminar of the Reserch Project "13^a Edição do Projeto Ilídio Pinho – Ciência na Escola", School Frei Bartolomeu dos Mártires, Viana do Castelo, Portugal, May 12, 2016. URL: <http://projetoipradao.blogspot.com/>

26.

Curado A., (2016). "Conforto Térmico e Eficiência Energética nos Edifícios Residenciais – Estratégias Passivas de Reabilitação". In 1st Technical Seminar on Urban Renovation. Polytechnic Institute of Viana do Castelo, Portugal, May 30-31 2016. URL: <http://www.estg.ipvvc.pt/~jruvc2016/>

25.

Curado, A.; Freitas, V.P.; Ramos, N.M.M. (2015). "Variability Assessment of Thermal Comfort in a Retrofitted Social Housing Neighborhood Based on "In Situ" Measurements", 6th International Building Physics Conference (IBPC 2015), Torino, Italy, 14-17 June 2015.

24.

Curado, A., Freitas, V.P., Ramos, N.M.M. (2015). "Conforto térmico e eficiência energética nos edifícios de habitação social reabilitados - Caso de estudo", 5.ª Conferência sobre Patologia e Reabilitação de Edifícios - PATORREB 2015, Porto, Portugal, 26-28 março 2015.

23.

Curado A., (2014). "Medidas de Eficiência Energética em Edifícios de Apoio à Produção". In seminar of the Research Project "INOVENERGY -Eficiência Energética do Cluster Agroindustrial do Centro e Norte". Polytechnic Institute of Viana do Castelo, Portugal, July 2014. URL:

http://www.ipvc.pt/sites/default/files/seminario_eficiencia_energetica_programa.pdf

22.

Curado A., (2014). "Reabilitação Pró-Eficiência Energética de Edifícios de Habitação". In Workshop of the Research Project "IPVC – Ciência para o Desenvolvimento Sustentável – NORTE-07-0162-FEDER-000049". Polytechnic Institute of Viana do Castelo, Portugal, May 30, 2014.

21.

Curado A., (2014). "Soluções Construtivas Pró-Eficiência Energética e Conforto Térmico". In Closing seminar of the Research Project "Rede de edifícios de impacto zero (r.ed_ZERO)", Polytechnic Institute of Viana do Castelo, Portugal, March 20, 2014. URL:

http://www2.ipvc.pt/sites/default/files/red_zero_programa.jpg

20.

Curado A., (2014). "Soluções Construtivas Pró-Eficiência Energética e Conforto Térmico". In "III Feira do Ambiente e Energia em Ponte de Lima", Technical Seminar on Buildings' Energy and Environmental Efficiency. Municipality of Ponte de Lima, Portugal,

February 7, 2014. URL: <http://correiodominho.pt/noticias/ponte-de-lima-jornadas-tecnicas-lquo-eficiencia-energetica-e-ambiental-em-edificios/75965>

19.

Curado, A., de Freitas, Vasco P. & Ramos, N.(2013). "Variability Assessment of Summer Comfort Conditions in Social Housing Using In Situ Measurements", 2nd CESBP – Central European Symposium on Building Physics, Vienna, Austria, 9-11 September 2013.

18.

Curado A., (2013). "Conforto Térmico e Eficiência Energética nos Edifícios Residenciais Reabilitados". In 4th Technical Seminar on Civil and Environmental Engineering. Polytechnic Institute of Viana do Castelo, Portugal, May 8-10, 2013

17.

Curado A., Cerqueira H., (2013). "Estudo de simulação numérica em regime dinâmico do desempenho energético de um edifício de geometria simplificada", In 1st Technical Seminar on Renewable Energy Systems and Energy Efficiency. Polytechnic Institute of Viana do Castelo, Portugal, June 5-6, 2013. URL: <http://www.ipvc.pt/energias-renovaveis-jornadas>

16.

Curado, A., de Freitas, Vasco P. & Ramos, N. (2012). "Simulação do Comportamento Higrotérmico em Regime Dinâmico de uma Fração de Habitação de um Bairro Reabilitado", 4.º Congresso Nacional Construção, FCTUC, Coimbra, Portugal, 18-20 dezembro 2012.

15.

Curado, A., de Freitas, V. P. & Ramos, N. (2012). "Indoor Climate Measurements for Summer Overheating Assessment: Social Housing in Porto", IEA Annex 55 RAP-RETRO, Sixth Meeting, Leuven, Belgium, 29-31 October 2012.

14.

Ferreira da Silva, J., **Curado, A.** & Mendes, J. (2012). "Design Assessment of Sanitary Sewerage Systems in a Business Park", 38th International Symposium CIB W062 on Water Supply and Drainage for Buildings, Edinburgh, Scotland, 27-30 August 2012.

13.

Curado, A., Ferreira da Silva, J. & Silva Afonso, A. (2012). "Technological Evolution on Materials for Building Water Piping Systems", 38th International Symposium CIB W062 on Water Supply and Drainage for Buildings, Edinburgh, Scotland, 27-30 August 2012.

12.

Curado, A., de Freitas, V. P. & Ramos, N. (2012). "Probabilistic Risk Assessment for Social Housing in Porto - Overheating Risk in Summer", IEA Annex 55 RAP-RETRO, Fifth Meeting, Vienna, Austria, 23-25 April 2012.

11.

Curado, A., de Freitas, V. P. & Ramos, N. (2011). "Indoor Climate Measurements for Variability Assessment", IEA Annex 55 RAP-RETRO, Fourth Meeting, San Antonio, USA, 24-26 October 2011.

10.

Ferreira da Silva, J., **Curado, A.** & Mendes, J.(2011). "Design Assessment of Sanitary Water Supply Systems in a Business Park", 37th International Symposium CIB W062 on Water Supply and Drainage for Buildings, Aveiro, Portugal, 25-28 September 2011.

9.

Curado, A., Ferreira da Silva, J. & Silva Afonso, A. (2011). "New Materials and Technologies in Building Water Piping Systems", 37th International Symposium CIB W062 on Water Supply and Drainage for Buildings, Aveiro, Portugal, 25-28 September 2011.

8.

Curado, A., de Freitas, V. P. & Ramos, N. (2010). "A Mild Climate Retrofitting Case: Social Housing in Porto", IEA Annex 55 RAP-RETRO, Second Meeting, Copenhagen, Denmark, 25-27 October 2010.

7.

Curado A., (2009). "Certificação Energética dos Edifícios". In seminar "Projeto Ecobrigadas, Quercus". Polytechnic Institute of Viana do Castelo, Portugal, May 2009. URL:http://portal.ipvic.pt/portal/page/portal/estg/estg_noticias/2009/estg_quercus_ecobrigadas

6.

Curado A., (2008). "O Ruído nos Sistemas Prediais de Drenagem". In 1st National Symposium of "Anqip – Redes Prediais, Sustentabilidade e Conforto", Seminary Teppfa – The European Plastic Pipes and Fittings Association, Edifício da Alfândega, Oporto, Portugal, January 24-26, 2008.

5.

Curado A., (2007). "O conforto acústico nos Sistemas Prediais de Drenagem". In seminar "Qualidade e Conforto em Edifícios – Isolamento Acústico", Seminary APCMC, Tektónica, Lisbon, Portugal, March, 29, 2007.

4.

Curado A., (2007). "A relevância da Física das Construções na Conceção de Edifícios Escolares", In 4th seminar "Segurança e Saúde no Trabalho, A Escola como Preâmbulo da Vida Ativa". Polytechnic Institute of Viana do Castelo, Portugal, January, 26, 2007.

3.

Curado A. (2006). "O Ruído nos Sistemas Prediais de Drenagem". In seminar "Exigências e Tendências da regulamentação Municipal", Seminary Teppfa – The European Plastic Pipes and Fittings Association, Polytechnic Institute of Coimbra, Portugal, November 7, 2006.

2.

Curado A. (2005). "O Ruído no Edificado". In 3rd seminar "Segurança e Saúde no Trabalho", "O Ruído em Ambientes de Trabalho - Esse Inimigo Silencioso". Polytechnic Institute of Viana do Castelo, Portugal, November 18, 2005.

1.

Curado A. (2005). “Visão crítica das práticas de instalação nos sistemas prediais de distribuição de água”. In seminar “A Ficha Técnica da Habitação e as Redes Prediais de Águas e Esgotos”, Seminary Teppfa – The European Plastic Pipes and Fittings Association. University of Aveiro, Portugal, April 13, 2005.

3.9. Poster Communications (5)

5.

A.S. Rodrigues, M. Mourão , F. Carvalho, L. Saraiva, M. Rocha, A.T. Oliveira, C. Morais, C. Oliveira, M. Amorim, A. Videira, M.F. Patrocínio, A. Curado, T. Gonçalves, D. Matos, “Adoção do Modelo EFQM - Instituto Politécnico de Viana do Castelo”, 10.ª Conferência FORGES – Fórum de Gestão do Ensino Superior nos Países e Regiões de Língua Portuguesa, 18-20 novembro 2020, Universidade de Évora | Escola Superior de Saúde do Alcoitão, Portugal.

4.

A.S. Rodrigues, L. Saraiva , M. Rocha, M. Mourão, F. Carvalho, J. Dantas, L. Miranda, J.C. Pereira, C. Oliveira, A. Curado, A. Videira, M. Amorim, M.F. Patrocínio, “Certificação do Sistema de Gestão de Responsabilidade Social Instituto Politécnico de Viana do Castelo”, 10.ª Conferência FORGES – Fórum de Gestão do Ensino Superior nos Países e Regiões de Língua Portuguesa, 18-20 novembro 2020, Universidade de Évora | Escola Superior de Saúde do Alcoitão, Portugal.

3.

F. Pereira, S.I. Lopes, J.M.N. Vieira, N.B. Carvalho and A. Curado, “Using Compact LoRa Devices for In-Building Communications”, The 4th Smart City 360° Summit 2018, November 21-23, 2018, Guimarães, Portugal, url: <http://smartcity360.org/2018/demos/>

2.

A. Curado, S.I. Lopes, “RnMonitor: Online Monitoring Infrastructure and Strategies for Active Indoor Air Radon Mitigation”, CARIBMAT 2018: 2nd Caribbean Conference on Functional Materials, Cartagena de Indias, Colombia, 6-9 February 2018. url: <http://www.caribmat.org/>

1.

A. Curado, S.I. Lopes, “RnMonitor: Online Monitoring Infrastructure and Strategies for Active Indoor Air Radon Mitigation”, Call for funding of Research Projects for Polytechnic Institutes (Projects of IC&DT Polytechnics), Funding Institution: Portugal 2020, AAC N.º 02/SAICT/ 2016 – Public Posters Presentation, Institute of Engineering of Porto (ISEP), Oporto, Portugal, November 23-24, 2016.

3.10. Scientific Commissions (10)

10.

Curado, A., (2021). Member of the Scientific Commission of the 3rd Sustainable Campus Conference (CCS2021) - Smart Initiatives for a Sustainable Campus. Instituto Politécnico de Lisboa, Lisboa, Portugal, 28-29 October 2021.

9.

Curado, A., (2021). Member of the Technical Program Committee 7th edition on Modelling and Simulation in Computer Sciences and Engineering (MSCSE 2021) Rhodes, Greece, 20-26 September 2021.

8.

Curado, A., (2021). Member of the Scientific & Technical Committee of ICEER 2021 - The 8th International Conference on Energy and Environment Research: "Developing the World in 2021 with Clean and Safe Energy". ICEER2021 @ Online. 13-17 September.

7.

Curado, A., (2020). Member of the Scientific & Technical Committee of ICEER 2020 - The 7th International Conference on Energy and Environment Research, Rome, Italy. 7-11 September.

6.

Curado, A., (2020). Member of the Technical Program Committee of the 6th Symposium on Modelling and Simulation in Computer Sciences and Engineering (MSCSE 2020), Rhodes, Greece, 17-23 September 2020.

5.

Curado, A., (2020). Member of the Scientific Commission of the 2nd Sustainable Campus Conference (CCS2020) - Smart Initiatives for a Sustainable Campus. Instituto Politécnico de Tomar, Tomar, Portugal, October 30, 2020.

4.

Curado, A., (2019). Member of the Scientific Commission of the International Conference on Automation Innovation in Construction (CIAC-2019), Leiria, Portugal, November 7-8, 2019.

3.

Curado, A., (2018). Member of the Scientific Commission of the Congress “CONSTRUÇÃO2018 – reabilitar e construir de forma sustentável”, Faculty of Engineering of the University of Oporto, Oporto, Portugal, November 21-23, 2018.

2.

Curado, A., (2018). Member of the Technical Program Committee of the 4th Symposium on Modelling and Simulation in Computer Sciences and Engineering (MSCSE 2018), Rhodes, Greece, 13-18 September 2018.

1.

Curado, A. (2015). Member of Editorial Advisory Board of the Handbook of Research on Computational Simulation and Modeling in Engineering (ISBN10: 1466688238), IGI Global, September 2015. DOI: 10.4018/978-1-4666-8823-0

3.11. Congress Chairman (5)

5.

Curado A., 2019. Chairman of the board of the Cross-Border Seminar FireCamp 2019 , 28-29 November 2019, Viana do Castelo, Portugal.

4.

Curado A., 2019. Chairman of the board of the Conference WCASET 2019 – 19th World Conference on Applied Science Engineering and Technology, 16-17 May 2019, Bangkok, Thailand.

3.

Barroso de Aguiar, J. e **Curado A.**, 2015. Chairman of the board in the technical session “Durabilidade e Vida-útil”. 5th Conference on Pathology and Buildings’ Retrofitting - PATORREB 2015, Oporto, Portugal, March 26-28 2015.

2.

Curado A., 2015. Chairman of the board in the technical session “Estanquidade ao ar de edifícios portugueses - Influência nas condições de ventilação das habitações”, 5th Conference on Pathology and Buildings’ Retrofitting - PATORREB 2015, Oporto, Portugal, March 26-28 2015.

1.

Ramos, N.M.M. e **Curado A.**, 2015. Chairman of the board in the technical session “Higrotérmica”. Conference on Pathology and Buildings’ Retrofitting - PATORREB 2015, Oporto, Portugal, March 26-28 2015.

4. Student Supervision

4.1. MSc Students (13)

13.

Tiago André Gomes Bota (2020), “Reabilitação não Estrutural de Fachadas de Edifícios – Caso de Estudo”, MSc in Civil and Environmental Engineering, Polytechnic Institute of Viana do Castelo, Portugal, April 8, 2020.

12.

Luís Filipe Silva Pereira (2019), “Construção Pré-fabricada com Propósitos Sustentáveis – Caso de Estudo”, MSc in Civil and Environmental Engineering, Polytechnic Institute of Viana do Castelo, Portugal, July 2, 2019.

11.

Paulo Daniel Couto das Lages (2018), “Revestimento Cerâmico em Fachadas – Patologias e Metodologias de Reabilitação”. MSc in Civil and Environmental Engineering, Polytechnic Institute of Viana do Castelo, Portugal, October 25, 2018.

10.

Roberto Manuel Rodrigues Baptista (2018), “Estudo Comparativo entre Revestimentos Interiores em Gesso Projetado e Estruturas Autoportantes Revestidas a Placas de Gesso Cartonado”. MSc in Civil and Environmental Engineering, Polytechnic Institute of Viana do Castelo, Portugal, October 25, 2018.

9.

João Pedro da Cunha Alves Ferreira da Silva (2018), “Monitorização do Gás Radão num Edifício Escolar Classificado no Alto Minho”. MSc in Civil and Environmental Engineering, Polytechnic Institute of Viana do Castelo, Portugal, May 9, 2018. Repository: <http://hdl.handle.net/20.500.11960/2035>

8.

Lúcia Maria Alves de Carvalho (2018), “Avaliação da Concentração do Gás Radão em Moradias Graníticas no Concelho de Barcelos”. MSc in Civil and Environmental Engineering, Polytechnic Institute of Viana do Castelo, Portugal. July 27, 2017.

Repository: <http://hdl.handle.net/20.500.11960/1935>

7.

Sara Cardoso Rodrigues (2017), "Reabilitação Construtiva do Edifício do Matadouro Municipal de Viana do Castelo". MSc in Civil and Environmental Engineering, Polytechnic Institute of Viana do Castelo, Portugal. February 3, 2017. Repository: <http://hdl.handle.net/20.500.11960/1801>

6.

Francisco Armando Moreira da Silva (2016), "Diagnóstico da Envolvente de um Edifício Escolar com recurso a Análise Termográfica". MSc in Civil and Environmental Engineering, Polytechnic Institute of Viana do Castelo, Portugal. November 24, 2016. Repository: <http://hdl.handle.net/20.500.11960/1798>

5.

Kevin Galvão Aleixo (2016), "Estudo do Reforço do Desempenho Energético de uma Moradia Unifamiliar a Reabilitar". MSc in Civil and Environmental Engineering, Polytechnic Institute of Viana do Castelo, Portugal. March 16, 2016. Repository: <http://hdl.handle.net/20.500.11960/1556>

4.

Noémia Pereira Macedo (2015), "Reabilitação Preventiva em Instalações Prediais de Abastecimento de Água e de Drenagem de Águas Residuais". MSc in Civil Engineering, Faculty of Engineering of the University of Oporto, Portugal, July 20, 2015. Repository: <https://repositorio-aberto.up.pt/bitstream/10216/79747/2/35968.pdf>

3.

Ivo Jerónimo da Silva Araújo (2015), "Auditoria Energética ao Edifício da Escola Superior de Tecnologia e Gestão do Instituto Politécnico de Viana do Castelo – Caso de Estudo", MSc in Civil and Environmental Engineering, Polytechnic Institute of Viana do Castelo, Portugal, February 23, 2015. Repository: <http://hdl.handle.net/20.500.11960/1351>

2.

Ana Isabel Ribeiro da Silva (2014), "Sistemas de Aproveitamento de Águas Pluviais em Habitações Unifamiliares: Funcionamento Hidráulico de um Sistema de Drenagem Sifónica", MSc in Civil Engineering, School of Engineering of the University of Minho, Guimarães, Portugal. November 24, 2014. Repository: <http://hdl.handle.net/1822/36089>

1.

Vítor Jorge da Silva Ferreira (2014), “Influência dos Utilizadores no Comportamento Higrotérmico de Edifícios de Habitação Social”, MSc in Civil Engineering, Faculty of Engineering of the University of Oporto, Portugal, February 5, 2014.
Repository:https://sigarra.up.pt/feup/en/pub_geral.pub_view?pi_pub_base_id=26371

4.2. Graduation Students (13)

13.

Oliveira, Miguel e Silva, Jorge (2021). IAQ4Classroom: a LoRaWAN-based IAQ Assessment System for the Classroom. Professional Internship co-supervisor of students of Computer Networks and Systems Engineering of Polytechnic Institute of Viana do Castelo, Viana do Castelo Portugal.

12.

Abreu, António José Rodrigues (2020). Professional Internship co-supervisor of students of Computer Networks and Systems Engineering of Polytechnic Institute of Viana do Castelo at the company Digiheart Lda., "Indoor Air Quality Management in the Classroom", Viana do Castelo Portugal.

11.

Duarte, Tiago Manuel Ferreira (2018). Professional Internship supervisor of students of Civil and Environment Engineering of Polytechnic Institute of Viana do Castelo at the company Baltor Engenharia e Construção Lda., Viana do Castelo Portugal.

10.

Gonçalves, Rafaela Martins (2017). Professional Internship supervisor of students of Civil and Environment Engineering of Polytechnic Institute of Viana do Castelo at the company Baltor Engenharia e Construção Lda., Viana do Castelo Portugal.

9.

Saraiva, João Carlos Ramos (2017), "Simulação Dinâmica do Desempenho Energético do Edifício da Praça de Touros de Viana do Castelo". Professional Internship supervisor of students of Renewable Energy Systems Engineering, Polytechnic Institute of Viana do Castelo, Portugal,

8.

Cunha, José Guilherme Rocha de Melo e (2017), "Certificação Energética de Edifícios de Habitação e Serviços". Professional Internship supervisor of students of Renewable Energy Systems Engineering, Polytechnic Institute of Viana do Castelo, Portugal,

7.

Fernandes, André da Cruz (2017), “Grelha de ventilação com funcionamento ativo controlada remotamente”. Final Project of the Graduation in Electronic and Computer Networks Engineering, Polytechnic Institute of Viana do Castelo, Portugal,

6.

Brandão, Margarida de Magalhães (2016), “Simulação em Regime Dinâmico do Comportamento Térmico da Biblioteca Barbosa Romero”, Final Project of the Graduation in Renewable Energy Systems Engineering, Polytechnic Institute of Viana do Castelo, Portugal.

5.

Rocha, Mónica Loureiro Rocha (2016), “Aplicação do Autoconsumo Fotovoltaico como Solução de Reforço da Eficiência Energética”. Professional Internship supervisor of students of Renewable Energy Systems Engineering, Polytechnic Institute of Viana do Castelo, Portugal.

4.

Machado, Ana Luísa Ribeiro (2016), “Acesso Remoto a Equipamentos Utilizando Interface Série Através da Internet”. Final Project of the Graduation in Electronic and Computer Networks Engineering, Polytechnic Institute of Viana do Castelo, Portugal.

3.

Teixeira, João Manuel da Rocha (2015). Professional Internship supervisor of students of Renewable Energy Systems Engineering at the company ElectroMinho Lda, Polytechnic Institute of Viana do Castelo, Portugal.

2.

Mendes, Rui Pedro Fonseca (2015), Professional Internship supervisor of students of Renewable Energy Systems Engineering at the company ElectroMinho Lda, Polytechnic Institute of Viana do Castelo, Portugal.

1.

Moreira, Miguel da Costa (2015), Professional Internship supervisor of students of Renewable Energy Systems Engineering at the company ElectroMinho Lda, Polytechnic Institute of Viana do Castelo, Portugal.

4.3. Undergraduation Students (7)

7.

Gonçalves, Fernando da Cunha (2018). Professional Internship supervisor of students of undergraduation course in Buildings Energy Efficiency, Polytechnic Institute of Viana do Castelo, Portugal.

6.

Barreto, Vanessa Filipa Morgado (2017). Professional Internship supervisor of students of undergraduation course in Buildings Energy Efficiency, Polytechnic Institute of Viana do Castelo, Portugal.

5.

Machado, João Pedro da Cunha (2016). Professional Internship supervisor of students of undergraduation course in Civil Construction and Public Works, Polytechnic Institute of Viana do Castelo, Portugal.

4.

Ferreira, Eduardo Pereira (2015). Professional Internship supervisor of students of undergraduation course in Renewable Energies, Polytechnic Institute of Viana do Castelo, Portugal.

3.

Abreu, Daniela Filipa Andrez (2015). Professional Internship supervisor of students of undergraduation course in Civil Construction and Public Works, Polytechnic Institute of Viana do Castelo, Portugal.

2.

Branco, João Carlos Fernandes Branco (2014). Professional Internship supervisor of students of undergraduation course in Civil Construction and Public Works, Polytechnic Institute of Viana do Castelo, Portugal.

1.

Varajão, Nuno Rafael da Silva (2014). Professional Internship supervisor of students of undergraduation course in Civil Construction and Public Works, Polytechnic Institute of Viana do Castelo, Portugal.

4.4. Erasmus Students (13)

Renewable Energy Systems Engineering

Katarzyna Kopec (2013/2014)

Malgorzata Magdizk (2014/2015)

Katarzina Golkowska (2014/2015)

Francesco Campoli (2014/2015)

Natalia Oniszcuk (2015/2016)

Christoph Luther (2016/2017)

Martin Brandauer (2017/2018)

Julian Hinderegger (2017/2018)

Civil Engineering

Horzak Edyta (2013/2014)

Dominika Gilewska (2013/2014)

Ewa Fiedorowicz (2015/2016)

Magdalena Sztukowska (2016/2017)

Dawid Halicki (2017/2018)

Aleksandra Pyska (2018/2019)

Elzbieta Marciniak(2018/2019)

Urszula Maciejewska (2018/2019)

Maryna Malgorzata Nazaruk (2018/2019)

Malgorzata Mikita (2018/2019)

Izabela Perkowska (2018/2019)

5. Juries of Academic Exams

5.1. PhD Thesis Arguer (1)

1.

Domingos António Garcia Ribas (2015), "Methodology for Evaluating the Economic Sustainability of Buildings Based on Life Cycle Analysis", PhD in Civil Engineering, University of Aveiro, Portugal. Repository: <http://hdl.handle.net/10773/15140>

5.2. MsC Thesis Arguer (8)

8.

José Luís Curralo Gonçalves (2021). "Fiscalização de empreitada de Obra de Infraestruturas de Saneamento Público: Caso de Estudo". MSc in Civil and Environmental Engineering, Polytechnic Institute of Viana do Castelo, Portugal, June 2, 2021. Repository:

http://repositorio.ipv.pt/bitstream/20.500.11960/2589/1/Jose_Goncalves.pdf

7.

Patrícia do Céu Silva Barros (2019). "Acompanhamento e Fiscalização de Ampliação e Remodelação de Unidade Fabril". MSc in Civil and Environmental Engineering, Polytechnic Institute of Viana do Castelo, Portugal, July 2, 2019. Repository: <http://hdl.handle.net/20.500.11960/2250>.

6.

Rui Miguel Lopes Serpa Pinto (2018), "Manual de Procedimentos de Sistemas de Isolamento Térmico pelo Exterior". MSc in Civil Engineering, University of Fernando Pessoa, Porto. March 21, 2018. Repository: <http://hdl.handle.net/10284/6523>

5.

André Amorim Gomes (2017), "Sistema de Pesos para Avaliação da Sustentabilidade Económica da Construção". MSc in Civil and Environmental Engineering, Polytechnic Institute of Viana do Castelo, Portugal, February 3, 2017. Repository: <http://hdl.handle.net/20.500.11960/1802>

4.

Diogo Miguel Pereira Gomes (2016), "Estágio Profissional na Empresa Drubloc – Viana do Castelo". MSc in Renewable Energy Systems Engineering, Polytechnic Institute of Viana do Castelo, Portugal, March 4, 2016. Repository: <http://hdl.handle.net/20.500.11960/1518>

3.

Pedro Daniel Silva Pereira (2015), "Reabilitação da Cantina da FEUP para melhoria do conforto higrotérmico". MSc in Civil Engineering – Specialization in Construction, Faculty of Engineering of the University of Oporto, Portugal, July 20, 2015. Repository: <http://hdl.handle.net/10216/79284>

2.

António Bruno Sousa Lages (2015), "Auditoria Energética a Edifício Administrativo - RSECE versus EPBD". MSc in Renewable Energy Systems Engineering, Polytechnic Institute of Viana do Castelo, Portugal, July 11, 2015. Repository: <http://hdl.handle.net/20.500.11960/1127>

1.

Bruno Manuel de Sá Pereira (2014), "A Eficiência Energética em Edifícios: Análise Comparativa da Regulamentação Aplicável na Península Ibérica". MSc in Construction Engineering, Polytechnic Institute of Viana do Castelo, Portugal, July 7, 2014. Repository: <http://hdl.handle.net/20.500.11960/1351>

6. R&D Projects (9)

1.

Project Name: Unidades de Produção para Autoconsumo (UPAC) a partir de fontes energéticas renováveis: Avaliação de desempenho in situ

Position: Researcher, Local Coordinator

Activity years: 23 agosto 2021 – 23 setembro 2021

Reference: FCT Special Support “Summer with Science” (FCT is the Portuguese public agency that supports science, technology and innovation, in all scientific domains, under responsibility of the Ministry for Science, Technology and Higher Education)

Budget: 892.24 Euros

Host Institution: Polytechnic Institute of Viana do Castelo, Portugal.

Description: A formação proposta prevê o acompanhamento in situ da instalação e entrada em funcionamento das Unidades de Produção de Autoconsumo (UPAC), na Escola Superior de Tecnologia e Gestão (ESTG) e na Escola Superior Agrária (ESA) do Instituto Politécnico de Viana do Castelo (IPVC), procurando proporcionar aos estudantes a experiência de aprendizagem num “laboratório vivo”, em condições estrita segurança, na área da produção energética renovável. Trata-se de uma formação prática, a desenvolver no terreno, num contexto de aprendizagem in situ, centrada nas práticas de formação que possibilitem a transferência da aprendizagem relacionadas com a energia renovável fotovoltaica. Complementarmente está prevista a recolha de dados, a análise e discussão de resultados, a síntese de indicadores de desempenho do sistema, e a escrita de um artigo científico.

2.

Project Name: SEIVA – Sistemas Energéticos e Infraestruturas Verdes para Agricultura

Position: Researcher, Local Coordinator

Activity years: 9 June 2021 – 30 November 2021

Reference: Fundo Ambiental Aviso n.º 6700/2021. Candidatura nº 1016 - Projeto SEIVA - Aviso n.º 6700/2021

Budget: 30.000 Euros

Host Institution: Polytechnic Institute of Viana do Castelo, Portugal.

Description: O projeto SEIVA – Sistemas Energéticos e Infraestruturas Verdes para Agricultura visa a promoção de modelos de produção e consumo sustentáveis, com recurso a Soluções baseadas na Natureza (Nature-based Solutions).

3.

Project Name: Asbestos Roof Sheet Renovation in School Buildings - Pro-Sustainability Solutions

Position: Researcher, Local Coordinator

Activity years: 1 agosto 2020 – 30 outubro 2020

Reference: FCT Special Support “Summer with Science” (FCT is the Portuguese public agency that supports science, technology and innovation, in all scientific domains, under responsibility of the Ministry for Science, Technology and Higher Education)

Budget:

Host Institution: Polytechnic Institute of Viana do Castelo, Portugal.

Description: The main objective of the Project is to develop a strategy concerning asbestos roof sheet renovation in school buildings, which must include not only the gradual eradication use of asbestos in building construction, but also the implementation of educational awareness-raising campaigns aimed at students, and to put on the agenda construction sustainability issues.

4.

Project Acronym: Refill H2O

Project Name: Refill H2O

Position: Researcher, Local Coordinator

Activity years: 1 janeiro 2021 – 30 junho 2022

Reference: EEA Grants - Small Grants Scheme # 1 – Projects for the prevention and awareness raising for the reduction of marine waste

Budget:

Host Institution: Polytechnic Institute of Viana do Castelo, Portugal.

Description: The objective of the R&D Project is to drastically reduce, in the schools of the Polytechnic Institute of Viana do Castelo (IPVC), bars, canteens and academic residences, the sale of water bottles in plastic packaging, thus promoting the application of the principles of the circular economy by reducing the use of plastic materials and the respective production of waste. The reduction in the consumption of plastic water packaging allows for a change in the consumption habits (students, teachers and employees), favoring a reduction in the production of disposable waste, which in the recycling process consume energy and result in an emission greenhouse gas emission. Partners: Regional Energy and Environment Agency of Alto Minho (AREA. Alto Minho).

5.

Project Acronym: IoT-Viana

Project Name: Infrastruturação central de sensOrização remoTa no âmbito da Rede Municipal de Ciência de Viana do Castelo

Position: Researcher, Local Coordinator

Activity years : 1 abril 2019 a 31 dezembro 2020

Reference: N/A

Budget: 18000 Euros

Host Institution: Polytechnic Institute of Viana do Castelo, Portugal.

Description: The R&D Project has two complementary and pioneering spheres in the national scene: to establish the communication infrastructure to support the Municipal Science Network and to comply, through this infrastructure, with DL 108/2018 of December 3, namely to allow the radon gas concentration in buildings titled or owned by the municipality, in real time, allowing its good management of use and taking care of the public health of its users, through the good management of the risk of exposure.

Partners: Municipality of Viana do Castelo, company DIGIHEART

6.

Project Acronym: RnMonitor

Project Name: RnMonitor: Online Monitoring Infrastructure and Active Mitigation Strategies for Indoor Radon Gas in Public Buildings on the Northern Region of Portugal

Position: Researcher, Project Coordinator

Activity years : 1 setembro 2017 a 28 fevereiro 2020

Reference: SAICT-POL/23997/2016

Budget: 144.396,31 Euros (IPVC Budget: 67.896,25 Euros)

Host Institution: Polytechnic Institute of Viana do Castelo, Portugal,

Description: RnMonitor project focus on the design of a Cyber-Physical System (CPS) for online monitoring and active mitigation of radon gas concentration inside granitic public buildings of the north region of Portugal.

Partners: Instituto Politécnico do Cávado e do Ave; BMViV

Website IPVC: <http://rnmonitor.ipvcc.pt>

Website IT: <https://www.it.pt/Projects/Index/4519>

7.

Project Acronym: r.ed_ZERO

Project Name: r.ed_ZERO - Network buildings with impact zero

Position: Researcher, Project Consultant

Activity years : 3 novembro 2010 – 31 março 2014

Reference: NORTE-07-0927-FEDER-000127

Budget: 342.857,14€ (IPVC Budget: 54.090,42€)

Host Institution: Polytechnic Institute of Viana do Castelo

Description: creation of a broad regional network, enhancing synergies between partners and developing a set of initiatives to promote the issue of energy efficiency in buildings, and in particular the concept of zero-impact buildings as opportunities for the sustainability of institutions social and community support, the development of new business economic activities and the reduction of national energy and carbon intensity.

Partners: Business Association of Viana do Castelo (AEVC), Social Services of the Polytechnic Institute of Viana do Castelo [SAS-IPVC], Regional Agency of Energy and Environment of Alto Minho, Santa Casa da Misericórdia of Arcos de Valdevez, Social Center and Parish of Santa Maria Maior, Portuguese Association of Parents and Friends of the Deficient Citizen of Viana do Castelo [APPACDM-VC]

8.

Project Acronym: Social Green

Project Name: Social Green - Regional Policies towards Greening the Social Housing Sector

Position: Researcher, Project Consultant via Faculty of Engineering of the University of Oporto, Portugal.

Activity years : April 2016 to March 2021

Reference: Interreg Europe

Budget: €1,191,397.00

Host Institution: Nordregio, (Sweden)

Description: The Social Green project intends to address the issue of green social housing in order to contribute to reduce the GHG emissions as well as to reduce the fuel poverty indicators in EU regions towards a lower carbon economy

Partners: CEiiA (Portugal), Tartu Regional Energy Agency (Estonia), South Muntenia Regional Development Agency (Romania), Regional Energy Agency North (Croatia), Extremadura Energy Agency (Spain), CCDR-N – Regional Coordination and Development Commission of North (Portugal), Alba Iulia Municipality (Romania)

9.

Project Acronym: TECH

Project Name: TECH - IPVC

Project Name: TECH - TECHNOLOGY, ENVIRONMENT, CREATIVITY AND HEALTH

Position: Researcher (HEALTH TECH and ENVIRONMENT TECH lines), Line Coordinator (ENVIRONMENT TECH line).

Activity years: October 2020 to September 2023

Reference: NORTE-01-0145-FEDER-000043

Budget: 1 656 726,33 € (IPVC Budget: 1 199 754,05€)

Host Institution: Polytechnic Institute of Viana do Castelo

Description: TECH – IPVC Project (TECHNOLOGY, ENVIRONMENT, CREATIVITY AND HEALTH) envisages the use of digital technologies for the prevention and promotion of health and well-being, for agriculture and food production processes, and environment. The three lines of the research (HEALTH TECH, FOOD TECH, and ENVIRONMENT TECH) are developed in specific activities: HEALTH TECH seeks to adopt new technologies to act on health prevention and promotion, namely through the use of sensors, the monitoring of vital signs, Big Data or Artificial Intelligence, and the environmental monitoring intelligent technology. FOOD TECH aims to use and develop digital technologies in agricultural and agri-food sustainability. ENVIRONMENT TECH proposes applied research for sustainable environment and circular economy.

Partners: Polytechnic Institute of Porto (IPP), Polytechnic Institute of Bragança (IPB) and Polytechnic Institute of Cávado and Ave (IPCA).

7. Review of Scientific Articles

Book Chapter

Michailidis I. T., Baldi S., Kosmatopoulos E. B., Pichler M. F., and Santiago J. R., “Improving Energy Savings and Thermal Comfort in Large Scale Buildings via Adaptive Optimization”. In Control Theory: Perspectives, Applications and Developments, Francisco Miranda (Ed.), Nova Science Publisher, pp. 14-1–14-22 (ISBN: 978-1-63482-707-2), 2015. Disponível em: <http://simonebaldi.my-board.org/publications/book-chapters/improving-energy-savings-and-thermal-comfort-in-large-scale-buildings-via-adaptive-optimization/?i=1>

International Conferences and Congresses

2018

Aviwe Hlaba, Ademola M. Rabi, Adelaja Osibote, “Air Pollution ventilation coefficient assessment and consideration in location of energy and related industries”, The 5th

International Conference on Energy and Environment Research (ICEER 2018), Prague, Czech Republic, July 23-27, 2018, URL: <http://www.iceer.net/>.

Ricardo M.S.F. Almeida e Romeu Vicente, “Avaliação do Desempenho Térmico de uma Parede de Tabique com Incorporação de PCM”, conferência “CONSTRUÇÃO2018 – reabilitar e construir de forma sustentável”, FEUP, Porto, Portugal, 21-23 novembro 2018.

Rogério Duarte, Maria da Glória Gomes e António Moret Rodrigues, “Ventilação por Abertura de Janelas: Análise de Dados Experimentais Recolhidos em Salas de Aula”, conferência “CONSTRUÇÃO2018 – reabilitar e construir de forma sustentável”, FEUP, Porto, Portugal, 21-23 novembro 2018.

Luís Leite e Hipólito Sousa, “Metodologia para a Integração de Sistemas Solares Ativos na Envolvente de Edifícios – Parâmetros e Aplicação”, conferência “CONSTRUÇÃO2018 – reabilitar e construir de forma sustentável”, FEUP, Porto, Portugal, 21-23 novembro 2018.

2019

Mohammad Darabseh, João Poças Martins, “The Expected Outcomes of Implementing a distributed File System in the Construction Industry”, Conference on Automation Innovation in Construction CIAC 2019 Polytechnic of Leiria, Leiria, Portugal | November 7-8, 2019.

Brenda Maiara Oliveira Alves e Luciana de Nazaré Pinheiro Cordeiro, “O efeito do tipo de cimento e adições minerais na reologia de argamassa autonivelante”, Conference on Automation Innovation in Construction CIAC 2019 Polytechnic of Leiria, Leiria, Portugal | November 7-8, 2019.

Filipa Salvado, Nuno Almeida and Álvaro Vale e Azevedo, “Building Investment Index: A decision making tool to optimize long-term investment decisions”, Conference on Automation Innovation in Construction CIAC 2019 Polytechnic of Leiria, Leiria, Portugal | November 7-8, 2019.

Paula Assis, Ricardo Figueira e Pablo Gilabert, "Aplicação de Realidade Aumentada para o projeto de Arquitetura, Engenharia e Construção", Investment Index: A decision making tool to optimize long-term investment decisions", Conference on Automation Innovation in Construction CIAC 2019 Polytechnic of Leiria, Leiria, Portugal | November 7-8, 2019.

Ivan Andrić, Sami G. Al-Ghamdi, "Climate change implications for environmental performance of residential building energy use: case study of Qatar". The 6th International Conference on Energy and Environment Research (ICEER 2019), Aveiro, Portugal, July 22-25, 2019, URL: <http://www.iceer.net/>.

Yemane W. Weldu, Mehzabeen Mannan, Sami G. Al-Ghamdi, "Rethinking the indoor environmental category of sustainable building design". The 6th International Conference on Energy and Environment Research (ICEER 2019), Aveiro, Portugal, July 22-25, 2019, URL: <http://www.iceer.net/>.

A. Rana and H. Mughal, "THE EFFECT OF BALCONIES ON ENERGY EFFICIENCY OF MULTI-UNIT RESIDENTIAL BUILDINGS: A STATE OF ART REVIEW". The 6th International Conference on Energy and Environment Research (ICEER 2019), Aveiro, Portugal, July 22-25, 2019, URL: <http://www.iceer.net/>.

2020

Spiru Paraschiv, Nicoleta Barbuta-Misu and Simona Lizica Paraschiv. "Influence of NO₂, NO and Meteorological Conditions on the Tropospheric O₃ Concentration at an Industrial Station", 7th International Conference on Energy and Environment Research "Driving energy and environment in 2020 towards a sustainable future" (ICEER 2020), Porto, Portugal, September 07-11, 2020, URL: <http://www.iceer.net/>.

Federico Orsini, Paola Marrone, Francesco Asdrubali, Marta Roncone, Gianluca Grazieschi. "Aerogel Insulation in Building Energy Retrofit. Performance Testing and Costa Analysis on a case Study in Rome", 7th International Conference on Energy and Environment Research "Driving energy and environment in 2020 towards a sustainable future" (ICEER 2020), Porto, Portugal, September 07-11, 2020, URL: <http://www.iceer.net/>.

Filipe Bandejas, Mário Gomes and Paulo Coelho, “Zero Net Energy in Campus Applications”, CCS 2020 – 2.ª Conferência Campus Sustentável. Instituto Politécnico de Tomar (IPT), “Smart Initiatives for a Sustainable Campus”, 30 de outubro de 2020, Tomar, Portugal. URL: <http://www.ccs2020.ipt.pt/>

Nahum Santos, Ricardo Gomes e Anabela Veiga, “Utilização de Pavimento Permeável para dar Resposta à Redução do Escoamento Superficial em Áreas Urbanas – Caso de Estudo”, CCS 2020 – 2.ª Conferência Campus Sustentável. Instituto Politécnico de Tomar (IPT), “Smart Initiatives for a Sustainable Campus”, 30 de outubro de 2020, Tomar, Portugal. URL: <http://www.ccs2020.ipt.pt/>

Cristina Andrade, Sandra Mourato, João Ramos, e Joana Contente, “Impacto do Aquecimento Global no Número de Graus-Dia de Aquecimento e de Arrefecimento na Região Centro de Portugal”, CCS 2020 – 2.ª Conferência Campus Sustentável. Instituto Politécnico de Tomar (IPT), “Smart Initiatives for a Sustainable Campus”, 30 de outubro de 2020, Tomar, Portugal. URL: <http://www.ccs2020.ipt.pt/>

Martins, Henrique Marques, Martins, Oliva Maria Dourado e Canelas, Carlos, “Influência da Sustentabilidade na Reputação das Instituições de Ensino Superior”, CCS 2020 – 2.ª Conferência Campus Sustentável. Instituto Politécnico de Tomar (IPT), “Smart Initiatives for a Sustainable Campus”, 30 de outubro de 2020, Tomar, Portugal. URL: <http://www.ccs2020.ipt.pt/>

Barros, M., Santos, N. F. Rodrigues, A. M., Nata A., Mora C., Gonçalves, R., “O Caminho do IPT para o Desenvolvimento Sustentável”, CCS 2020 – 2.ª Conferência Campus Sustentável. Instituto Politécnico de Tomar (IPT), “Smart Initiatives for a Sustainable Campus”, 30 de outubro de 2020, Tomar, Portugal. URL: <http://www.ccs2020.ipt.pt/>

Claudio R.P. Vasconcelos, Paula Ferreira M. Madalena Araújo, Joácio A. Moraes Júnior, Nadjaleia V. Almeida, Alessandra B. Moraes and Davidson Cordeiro, “Campus Sustainability: a Comparative Analysis Between Students Perception and Facts”, CCS 2020 – 2.ª Conferência Campus Sustentável. Instituto Politécnico de Tomar (IPT), “Smart Initiatives for a Sustainable Campus”, 30 de outubro de 2020, Tomar, Portugal. URL: <http://www.ccs2020.ipt.pt/>

Catarina Marques, João Sousa, Eliseu Ribeiro, Hermano Bernardo, “Avaliação do Desempenho de um Edifício de Ensino Superior para Promover a sua Sustentabilidade e Usabilidade”, CCS 2020 – 2.ª Conferência Campus Sustentável. Instituto Politécnico de

Tomar (IPT), "Smart Initiatives for a Sustainable Campus", 30 de outubro de 2020, Tomar, Portugal. URL: <http://www.ccs2020.ipt.pt/>

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M. Fahmy, I. Elwy, M. Kamal, H. Abdelkhalik, M. Abdelalim and S. Mahmoud. "Energy Efficiency and De-Carbonization Improvements Using Court-Yarded Clustered Housing With Compressed Earth Blocks", 8th International Conference on Energy and Environment Research "Developing the World in 2021 with Clean and Safe Energy" (ICEER 2021), Online, September 13-18, 2021, URL: <http://www.iceer.net/>.

A. Soares dos Reis, P. Vaquero, M. Ferreira Dias, A. Tavares, A. Costa and J. Fonseca. "Residential Building Rehabilitation in Porto Historic Center: Simulation Model Calibration using Temperature Monitoring", 8th International Conference on Energy and Environment Research "Developing the World in 2021 with Clean and Safe Energy" (ICEER 2021), Online, September 13-18, 2021, URL: <http://www.iceer.net/>.

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"ESTUDO COMPARATIVO ENTRE SISTEMAS DE CLIMATIZAÇÃO AMBIENTE PARA PROMOÇÃO DA SUSTENTABILIDADE AMBIENTAL: CASO DE ESTUDO". CCS 2021 – 3.^a Conferência Campus Sustentável. Instituto Politécnico de Tomar (IPT), "Smart Initiatives for a Sustainable Campus", 30 de outubro de 2020, Tomar, Portugal. URL: <http://www.ccs2020.ipt.pt/>

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Journals:

2019

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Ming Hu (2019): Life-cycle environmental assessment of energy-retrofit strategies on a campus scale, Building Research & Information, DOI: 10.1080/09613218.2019.1691486

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2020

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Yazzie, S.A.; Davis, S.; Seixas, N.; Yost, M.G. Assessing the Impact of Housing Features and Environmental Factors on Home Indoor Radon Concentration Levels on the Navajo Nation. Int. J. Environ. Res. Public Health 2020, 17, 2813.

Oh, S.; Kim, C.; Heo, J.; Do, S.L.; Kim, K.H. Heating Performance Analysis for Short-Term Energy Monitoring and Prediction Using Multi-Family Residential Energy Consumption Data. *Energies* 2020, 13, 3189.

Di Bella, A.; Mitrovic, M. Acoustic Characteristics of Cross-Laminated Timber Systems. *Sustainability* 2020, 12, 5612.

Haider Albayyaa, Dharmappa Hagare & Swapan Saha (2021) Energy conservation assessment of traditional and modern houses in Sydney, *Building Research & Information*, DOI: 10.1080/09613218.2020.1865128

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Arumägi, E.; Kalamees, T. Cost and Energy Reduction of a New nZEB Wooden Building. *Energies* 2020, 13, 3570. <https://doi.org/10.3390/en13143570>

Hyuk Joon Kim, Hye Young Kim, Youngran Yang and Eun Ko. Effect of an Integrated Healthcare Program for Korean Rural Older Adults: A Quasi-experimental Study. *Healthcare* 2020, 8(3), 244; <https://doi.org/10.3390/healthcare8030244>

Rand Talib, Nassif Nabil, and Wonchang Choi. Optimization-Based Data-Enabled Modeling Technique for HVAC Systems. *Buildings* 2020, 10(9), 163; <https://doi.org/10.3390/buildings10090163>.

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Muhammad Suleman Malik, Naveed Iftikhar, Abdul Wadood, Muhammad Omer Khan, Muhammad Usman Asghar, Shahbaz Khan, Tahir Khurshaid, Ki-Chai Ki, Zabdur Rehman and S. Tauqeer ul Islam Rizvi. Design and Fabrication of Solar Thermal Energy Storage System Using Potash Alum as a PCM. *Energies* 2020, 13(23), 6169; <https://doi.org/10.3390/en13236169>.

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Giorgio Besagni, Lidia Premoli Vilà, Marco Borgarello. Italian Household Load Profiles: A Monitoring Campaign. Buildings 2020, 10(12), 217; <https://doi.org/10.3390/buildings10120217>.

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Sunghee Cho, Gahye Lee, Duckshin Park and Minjeong Kim. Study on Characteristics of Particulate Matter Resuspension in School Classroom through Experiments Using a Simulation Chamber: Influence of Humidity. Int. J. Environ. Res. Public Health 2021, 18(6), 2856; <https://doi.org/10.3390/ijerph18062856>

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8. Academic Mobility Programs

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