```bibtex
@InProceedings{REIS2020,
    author="dos Reis, Alexandre Soares
    and Gielen, Elien
    and Wopereis, Ko
    and Pasternak, Marcel
    and Sooäär, Vaido
    and Schneider, Tobias
    and Duarte, Abel J.
    and Malheiro, Benedita
    and Justo, Jorge
    and Ribeiro, Cristina
    and Silva, Manuel F.
    and Ferreira, Paulo
    and Guedes, Pedro",
    editor="Silva, Manuel F.
    and Luís Lima, José
    and Reis, Luís Paulo
    and Sanfeliu, Alberto
    and Tardioli, Danilo",
    title="Smart Companion Pillow -- An EPS@ISEP 2019 Project",
    booktitle="Robot 2019: Fourth Iberian Robotics Conference",
    year="2020",
    publisher="Springer International Publishing",
    address="Cham",
    pages="465--476",
    abstract="This paper describes the design and development of a Smart
Companion Pillow, named bGuard, designed by a multinational and
multidisciplinary team enrolled in the European Project Semester (EPS) at
Instituto Superior de Engenharia do Porto (ISEP) in the spring of 2019.
Nowadays, parents spend most of the day at work and become naturally worried
about the well-being of their young children, specially babies. The aim of
bGuard is to provide a 24-hour remotely accessible baby monitoring service,
contributing to reduce parenting stress. The team, based on the survey of
related products, as well as on marketing, sustainability, ethics and
deontology analyses, developed a remotely interactive Smart Companion Pillow
to monitor the baby's health and room air quality. The collected data, once
it is saved on an Internet of Things (IoT) platform, becomes remotely
accessible. The bGuard pillow, thanks to its shape, reduces the risk of the
baby rolling from back to tummy, lowering the risk of Sudden Infant Death
Syndrome (SIDS).",
    isbn="978-3-030-36150-1"
}

@article{LEE2018,
    title = "Design and Implementation of Monitoring System Architecture for
Smart Bicycle Platform",
    journal = "Procedia Computer Science",
    volume = "134",
    pages = "464 - 469",
    year = "2018",
    note = "The 15th International Conference on Mobile Systems and
```

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Pervasive Computing (MobiSPC 2018) / The 13th International Conference on
Future Networks and Communications (FNC-2018) / Affiliated Workshops",
    issn = "1877-0509",
    doi = "https://doi.org/10.1016/j.procs.2018.07.182",
    url =
"http://www.sciencedirect.com/science/article/pii/S1877050918311475",
    author = "YeongKyun Lee and Jongpil Jeong",
    keywords = "Remote monitoring, Wireless sensor network, Smart phone
based monitoring, Bicycle monitoring",
    abstract = "This paper proposes the smart phone as a central monitoring
device for the bicycle and the WIFI network as a communication channel
between the smart phone and the sensors. It will show how to implement the
sensor boards with WIFI and relevant firmware, the software on the smart
phone to communicate with the sensor boards and the evaluation results with
the open source software called Goldencheetah. The knowledge in this paper
is not limited to bicycles but can be expanded to any other monitoring
systems using the remote sensors based on smart phone."
}

@article{RANJITH2020,
    title = "Prediction of Exhaust Gas Emission characteristics using Neem
oil blended bio- diesel in diesel engine",
    journal = "Materials Today: Proceedings",
    volume = "21",
    pages = "870 - 875",
    year = "2020",
    note = "International Conference on Recent Trends in Nanomaterials for
Energy, Environmental and Engineering Applications",
    issn = "2214-7853",
    doi = "https://doi.org/10.1016/j.matpr.2019.07.706",
    url =
"http://www.sciencedirect.com/science/article/pii/S2214785319329116",
    author = " Ranjith and V. Velmurugan and S. Thanikaikarasan",
    keywords = "Accelerometer, Diesel engine, Neem oil, Renewable,
Alternative, Viscosity, Volatility",
    abstract = "As a renewable, sustainable and alternative fuel for diesel
engine, biodiesel instead of diesel has been increasingly fuelled to study
its effects on engine performances and emissions. Biodiesel production is a
modern and technological area for researchers due to constant increase in
the prices of petroleum, diesel, and environmental advantages. Increased
environmental awareness and depletion of resources are driving industry to
develop viable alternative fuels from renewable resources that are
environmentally more acceptable. Neem oil is a potential alternative fuel.
The most detrimental properties of neem oils are its high viscosity and low
volatility, and these cause several problems during their long duration
usage in diesel engines. From the review it is found that the use of
biodiesel leads to the substantial reduction in CO2, HC, CO and NOx
emissions."
}

@article{SOBHANI2018,
```

```
    title = "Impact of smartphone distraction on pedestrians crossing
behaviour: An application of head-mounted immersive virtual reality",
    journal = "Transportation Research Part F: Traffic Psychology and
Behaviour",
    volume = "58",
    pages = "228 - 241",
    year = "2018",
    issn = "1369-8478",
    doi = "https://doi.org/10.1016/j.trf.2018.06.020",
    url =
"http://www.sciencedirect.com/science/article/pii/S1369847818300998",
    author = "Anae Sobhani and Bilal Farooq",
    keywords = "Head-mounted immersive virtual reality, Pedestrian,
Distracted street crossing, Multi-tasking, Smartphone use, Surrogate
analysis, Smart LED lights safety treatment",
    abstract = "A novel head-mounted virtual immersive/interactive reality
environment (VIRE) is utilized to evaluate the behaviour of participants in
three pedestrian road crossing conditions while 1) not distracted, 2)
distracted with a smartphone, and 3) distracted with a smartphone with a
virtually implemented safety measure on the road. Forty-two volunteers
participated in our research who completed thirty successful (complete
crossing) trials in blocks of ten trials for each crossing condition. For
the two distracted conditions, pedestrians are engaged in a maze-solving
game on a virtual smartphone, while at the same time checking the traffic
for a safe crossing gap. For the proposed safety measure, smart flashing and
color changing LED lights are simulated on the crosswalk to warn the
distracted pedestrian who initiates crossing. Surrogate safety measures as
well as speed information and distraction attributes such as direction and
orientation of participants head were collected and evaluated by employing a
Multinomial Logit (MNL) model. Results from the model indicate that females
have more dangerous crossing behaviour especially in distracted conditions;
however, the smart LED treatment reduces this negative impact. Moreover, the
number of times and the percentage of duration the head was facing the
smartphone during a trial and a waiting time respectively increase the
possibility of unsafe crossings; though, the proposed treatment reduces the
safety crossing rate. Hence, our study shows that the smart LED light safety
treatment indeed improves the safety of distracted pedestrians and enhances
the successful crossing rate."
}

@article{OBAYASHI2020,
    title = "Pilot and Feasibility Study on Elderly Support Services Using
Communicative Robots and Monitoring Sensors Integrated With Cloud Robotics",
    journal = "Clinical Therapeutics",
    year = "2020",
    issn = "0149-2918",
    doi = "https://doi.org/10.1016/j.clinthera.2020.01.001",
    url =
"http://www.sciencedirect.com/science/article/pii/S0149291820300278",
    author = "Kazuko Obayashi and Shigeru Masuyama",
    keywords = "activities of daily living, cloud robotics, communicative
```

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robot, elderly care, robotics utilization, support services",
    abstract = "Purpose
    This pilot before-after study investigated the possible effects of
communicative robots, used with a sensing system supported by cloud
robotics, in caring for elderly people.
    Methods
    Two elderly women in nursing homes and 4 care workers participated in
the trial. The overnight life rhythm assessments of the study participants
and care workers were surveyed to determine when and how the robots should
be integrated into care. The system consisted of the robot Sota, a
noncontact vital sensor and a sheet-shaped bed sensor. Real-time sensing
data and conversations between the participants and robots were sent to the
servers, prompting a quick verbal response by the robot supported by cloud
robotics.
    Findings
    Care workers devoted 3 h to the maintenance of records during their most
stressful periods. Automatic recording of vital information using robot
sensors can improve the quality of nursing care work. Care workers' stress
levels were maximized when responding to nurse calls. Temporary responses to
nurse calls by the robots may help to effectively reduce the burden on
nursing care workers. Robots can stimulate elderly people to communicate
more with others (P < 0.05). Appropriate vocalization by communicative
robots may prevent the deterioration of quality of life in elderly
individuals.
    Implications
    Communicative robots, used with a sensing system, may stimulate elderly
people to activate a communication link with others and help care workers to
effectively reduce the burden during the night shift. A follow-up study
involving a broader research program on communicative robots and elderly
care would be beneficial."
}

@article{THAPA2019,
    title = "Study on the wintry thermal improvement of makeshift shelters
built after Nepal earthquake 2015",
    journal = "Energy and Buildings",
    volume = "199",
    pages = "62 - 71",
    year = "2019",
    issn = "0378-7788",
    doi = "https://doi.org/10.1016/j.enbuild.2019.06.031",
    url =
"http://www.sciencedirect.com/science/article/pii/S0378778819306309",
    author = "Rita Thapa and Hom Bahadur Rijal and Masanori Shukuya and
Hikaru Imagawa",
    keywords = "Nepal, Earthquake, Temporary shelters, Indoor air
temperature, Thermal insulation, Thermal improvement",
    abstract = "After massive earthquake 2015, thousands of Nepalese who
lost their permanent houses by the hardest hits were forced to live in
makeshift temporary shelters. The field measurement on indoor thermal
environment in five shelters was conducted in one of the district hit by the
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earthquake, Lalitpur, in winter. The mean indoor and outdoor air temperatures during the measured nighttime were found to be 10.3 °C and 7.6 °C, respectively, and the nocturnal indoor air temperature remained below the lowest acceptable temperature of 11 °C. This result assured that these shelters are not good for winter and must create various problems. We therefore analyzed the thermal characteristics of those shelters based on the measured results in order to seek a possible improvement. The total heat loss coefficient estimated per floor area in five shelters ranged from 11.3 to 15.2 W/(m2·K); that is thermal insulation was very low. We made a simple numerical analysis on the variation of indoor air temperature with the assumption of improved thermal characteristics and thereby found that it needs to be reduced about 2~7 W/(m2·K) to have the indoor air temperature higher than 11 °C for 70\% of the whole nocturnal hours. Such reduction of heat loss was found to be realized by adding affordable materials, e.g., cellular polyethylene foam and clothes for respective walls and roof. Thus, the knowledge obtained from this study should hopefully be applied to actual improvement of indoor thermal environment in existing shelters and also to a development for the preparation against future disaster."
}

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@MISC{gartner2021,
  author  = "{Gartner}",
  title   = "{Gartner Magic Quadrant for Data Science and Machine Learning
Platforms}",
  url     = "{https://www.gartner.com/en/documents/3998753}",
  urldate = "{March 2021}",
  year    = "{2021}",
  address = "{[Accessed in April 2021]}",
}

@MISC{android41,
  author  = "{Android Open Source Project}",
  title   = "{Android Developers: Android 4.1 APIs}. January 2015. [Accessed
in April, 2017]",
  url     =
"{http://developer.android.com/about/versions/android-4.1.html}",
  urldate = "{May 2014}",
  year    = "{2014}",
  address = "{[Accessed in April 2017]}",
}

@MISC{cloudexpo2008,
  AUTHOR  = "{Cloud Expo}",
  title   = "{Twenty-One Experts Define Cloud Computing}",
  url     = "{http://cloudcomputing.sys-con.com/node/612375}",
  urldate = "{October 2013}",
  year    = "{2008}",
  address = "{[Accessed in April 2021]}",
}

@BOOK{bandyopadhyay2013unsupervised,
```

```
  title={Unsupervised Classification: Similarity Measures, Classical and
Metaheuristic Approaches, and Applications},
  author={Bandyopadhyay, Sanghamitra and Saha, Sriparna},
  year={2013},
  isbn={978-3-642-32450-5},
  publisher={Springer},
  address = {Berlin, Germany},
  doi = {10.1007/978-3-642-32451-2}
}


@ARTICLE{llorente2009virtual,
  author  ="{Sotomayor, B. and Montero, Ruben S. and Llorente, I.M. and
Foster, I.}",
  journal ="Internet Computing, IEEE",
  title   ="{Virtual Infrastructure Management in Private and Hybrid
Clouds}",
  year    ="{2009}",
  month   ="{Sept}",
  volume  ="{13}",
  number  ="{5}",
  pages   ="{14-22}",
  abstract = {One of the many definitions of "cloud" is that of an
infrastructure-as-a-service (IaaS) system, in which IT infrastructure is
deployed in a provider's data center as virtual machines. With IaaS clouds'
growing popularity, tools and technologies are emerging that can transform
an organization's existing infrastructure into a private or hybrid cloud.
OpenNebula is an open source, virtual infrastructure manager that deploys
virtualized services on both a local pool of resources and external IaaS
clouds. Haizea, a resource lease manager, can act as a scheduling back end
for OpenNebula, providing features not found in other cloud software or
virtualization-based data center management software.},
  doi = {10.1109/MIC.2009.119}
}

@article{Mulder2013428,
    title = "Development of a Motion System for an Advanced Sailing
Simulator ",
    journal = "Procedia Engineering ",
    volume = "60",
    number = "0",
    pages = "428 - 434",
    year = "2013",
    note = "6th Asia-Pacific Congress on Sports Technology (APCST) ",
    issn = "1877-7058",
    doi = "http://dx.doi.org/10.1016/j.proeng.2013.07.030",
    url =
"http://www.sciencedirect.com/science/article/pii/S1877705813010813",
    author = "Fabian A. Mulder and Jouke C. Verlinden",
    keywords = "Sailing",
    keywords = "Dinghy",
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    keywords = "Virtual reality",
    keywords = "Training simulation",
    keywords = "Force feedback",
    abstract = "Abstract To train competitive sailing in a virtual setting,
motion of the boat as well as haptic feedback of the sail lines is
essential. When discussing virtual environments (VEs) the concept of
presence is often used. In this study we develop a sailing simulator motion
system to research what factors contribute to the participants' sensation of
presence when sailing in a VE. The developed simulator includes the
development of a mainsheet force feedback system and a novel motion
platform, connected to a high-quality graphics sailing simulation. In future
research, the developed system will be used to study which sail training
type can be performed in simulated environments, and if the system can be
used as a valid testbed for perception-action experiments."
}

@article{schonborn_why_2019,
    title = {Why social sustainability counts: {The} impact of corporate
social sustainability culture on financial success},
    volume = {17},
    issn = {2352-5509},
    url =
{https://www.sciencedirect.com/science/article/pii/S2352550918301465},
    doi = {https://doi.org/10.1016/j.spc.2018.08.008},
    abstract = {Awareness is growing in European companies of the importance
of managing all aspects of sustainability. However, the elusive social
aspect of sustainability and its influence on successful business has been
under-investigated in corporate culture literature so far. The aim of this
paper is to examine whether a correlation can be found between corporate
social sustainability culture (expressed as explicit "items" of corporate
values and practices emphasizing employee and societal well-being) and the
financial success of a company. This is examined through a multiple
regression analysis of two contrasting European polls, examining items
indicating corporate social sustainability culture, and financial outcomes.
The empirical results show that four specific success-related social
sustainability dimensions of corporate culture are predictors of a company
being classified as financially successful. These are: Sustainability
strategy and leadership; Mission, communication and learning; Social care
and work life; and Loyalty and identification. The paper contributes to the
understanding of how to manage corporate social sustainability culture
whilst supporting companies' financial performance, and provides evidence-
grounded recommendations to business managers and stakeholders aiming to
manage social sustainability proactively by undertaking cultural change and
development initiatives.},
    journal = {Sustainable Production and Consumption},
    author = {Schönborn, Gregor and Berlin, Cecilia and Pinzone, Marta and
Hanisch, Christoph and Georgoulias, Konstantinos and Lanz, Minna},
    year = {2019},
    keywords = {Corporate culture, Corporate sustainability, Financial
performance, Social sustainability, Success factors, Sustainability},
    pages = {1--10},
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}

@article{amrutha_systematic_2020,
    title = {A systematic review on green human resource management:
{Implications} for social sustainability},
    volume = {247},
    issn = {0959-6526},
    url =
{https://www.sciencedirect.com/science/article/pii/S0959652619340016},
    doi = {https://doi.org/10.1016/j.jclepro.2019.119131},
    abstract = {This article identifies current progressions and research
gaps in Green Human Resource Management literature and investigates the
future of green practices in meeting the social sustainability requirements
of an organisation. Considering the growing awareness on greening and
sustainability, a systematic review of the domain specific literature was
carried out using the Scopus and Google Scholar databases which resulted in
a set of 174 scientific articles between 1995 and 2019. NVivo Plus software
version 12 was used for quantitative processing as well as qualitative
analysis of data. Content coding and cluster analysis were performed, the
results of which exhibited three clusters namely, green human resource
management practices, employee green behaviour at workplace and
organisational sustainability. Further manual analysis revealed social
sustainability to be the least explored area than economic and environmental
pillars of sustainability. From this, the authors conceptually explored a
theoretical model suggesting the mediational role of 'employee green
behaviour at workplace' in the relationship between 'green human resource
management practices' and 'social sustainability' of organisations using
grounded theory approach. Therefore, prioritising social equity, health,
wellness and well-being, this work examines the state-of-the-art in green
human resource management research to unravel the enormous potential of core
green practices envisioning social sustainability, which has not been
established till date. Based on the content coding, clustering, and further
analysis, propositions, future paths and implications are also presented.},
    journal = {Journal of Cleaner Production},
    author = {Amrutha, V. N. and Geetha, S. N.},
    year = {2020},
    keywords = {Content analysis, Employee green behaviour at workplace,
Green human resource management practices, Organisational sustainability,
Social sustainability, Sustainable human resource management},
    pages = {119131},
}

@book{moll_nachhaltige_2019,
    address = {Wiesbaden},
    title = {Nachhaltige {Dienstleistungsinnovationen} in der {Logistik}:
{Ein} {Ansatz} zur {Entwicklung} von {Entscheidungsmodellen}},
    isbn = {978-3-658-28037-6 978-3-658-28038-3},
    shorttitle = {Nachhaltige {Dienstleistungsinnovationen} in der
{Logistik}},
    url = {http://link.springer.com/10.1007/978-3-658-28038-3},
    language = {de},
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    urldate = {2021-11-01},
    publisher = {Springer Fachmedien Wiesbaden},
    author = {Moll, Cornelius},
    year = {2019},
    doi = {10.1007/978-3-658-28038-3},
    file = {Moll - 2019 - Nachhaltige Dienstleistungsinnovationen in der
Log.pdf:/Users/JJZschocke/Zotero/storage/CFLIVKV5/Moll - 2019 - Nachhaltige
Dienstleistungsinnovationen in der Log.pdf:application/pdf},
}

@incollection{klemes_chapter_2015,
    address = {Oxford},
    title = {Chapter 5 - {Overview} of environmental footprints},
    isbn = {978-0-12-799968-5},
    url =
{https://www.sciencedirect.com/science/article/pii/B9780127999685000051},
    abstract = {With climate change and other negative environmental
impacts, there is an increased interest in measuring and reducing
environmental burdens. However, the question is how to measure and reduce
environmental burdens. Recently, the researchers, organizations, policy-
makers, and others are putting forth efforts to develop concepts and metrics
measuring environmental sustainability. Among those concepts and metrics,
environmental footprints are gaining increasing popularity and play an ever-
increasing role in sustainability evaluation and research. Footprints have
become ubiquitous for researchers, policy-makers, and the general public.
Over the past years, carbon footprint has been used as an environmental
protection indicator almost exclusively. Evaluations have moved to include a
variety of other footprints; however, there is no generally accepted
footprint or footprint family that represents the overall impact on the
environment. This chapter gives an overview of environmental footprints as
indicators defined to date (June 2014) that can be used to measure
sustainability for environmental decision-making.},
    booktitle = {Assessing and {Measuring} {Environmental} {Impact} and
{Sustainability}},
    publisher = {Butterworth-Heinemann},
    author = {Čuček, Lidija and Klemeš, Jiří Jaromír and Kravanja, Zdravko},
    editor = {Klemeš, Jiří Jaromír},
    year = {2015},
    doi = {https://doi.org/10.1016/B978-0-12-799968-5.00005-1},
    keywords = {Environmental footprints, Environmental indicators, Life
cycle assessment, Multi-objective optimisation, Sustainable development,
Total Footprints},
    pages = {131--193},
}

@article{Neuhofer2016,
    author = {Neuhofer, Barbara and Rainoldi, Mattia},
    year = {2016},
    month = {10},
    pages = {259-262},
    title = {Experience Economy und Digitalisierung im Tourismus: Was wir
```

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brauchen sind unvergessliche Erlebnisse},
    volume = {6},
    journal = {Tourismus Wissen Quarterly}
}

@inproceedings{margetis_creating_2017,
    address = {Cham},
    series = {Communications in {Computer} and {Information} {Science}},
    title = {Creating a {Playful} {Digital} {Catalogue} {System} {Using}
{Technology}-{Enhanced} {Physical} {Objects}},
    isbn = {978-3-319-58750-9},
    doi = {10.1007/978-3-319-58750-9_22},
    abstract = {This paper presents a digital catalogue interactive system
for promoting cultural heritage and tourism information in public spaces,
which employs the notions of playful and tangible interaction. The system
features two touch screens, one for displaying high resolution images and
one for providing detailed information regarding the presented artifact.
Navigation in the contents of the digital catalogue is accomplished through
interaction with technology-enhanced physical objects as well as touch
gestures. The paper presents how the system has been adapted in terms of
content and interaction and physical design to accommodate different types
of information and installation contexts, namely an oil mill to present
culinary information, a digital museum catalogue, a digital cultural
heritage photo album, and a digital nature observatory.},
    language = {en},
    booktitle = {{HCI} {International} 2017 – {Posters}' {Extended}
{Abstracts}},
    publisher = {Springer International Publishing},
    author = {Margetis, George and Grammenos, Dimitris and Paparoulis,
George and Stephanidis, Constantine},
    editor = {Stephanidis, Constantine},
    year = {2017},
    keywords = {Tangible interaction, Digital catalogue interactive system,
Information kiosk, Physical interaction, Playful interaction, Touch screen},
    pages = {158--163},
    file = {Springer Full Text PDF:C\:\\Users\\HP-
Note\\Zotero\\storage\\BKJAVPTC\\Margetis et al. - 2017 - Creating a Playful
Digital Catalogue System Using .pdf:application/pdf},
}

@article{galloway_curating_2018,
    title = {Curating the aural cultures of the {Battery}: {Soundwalking},
auditory tourism and interactive locative media sound art},
    volume = {18},
    issn = {1468-7976},
    shorttitle = {Curating the aural cultures of the {Battery}},
    url = {https://doi.org/10.1177/1468797617723764},
    doi = {10.1177/1468797617723764},
    abstract = {Inside Outside Battery is a mobile media sound art
installation for smartphone technologies that uses global positioning system
(GPS) locative software to narrate walking visitors through the Battery, a
```

heritage neighbourhood of St. John's (Newfoundland, Canada). Auditory tourists, or soundwalkers, come to know the aural cultures of the Battery through the dynamic interactions of sound and place using site- and time-specific archival materials, stories, soundscapes, and expressive culture sourced from the Battery that play alongside real-time encounters with the physical and sonic materiality of the Battery. Employing practice-based ethnography, this article examines how site- and time-specific soundscape interactive documentary technologies engage socioenvironmental knowledge and foster a sense of place attachment for visitors to the Battery.},
    language = {en},
    number = {4},
    urldate = {2022-03-13},
    journal = {Tourist Studies},
    author = {Galloway, Kate},
    month = dec,
    year = {2018},
    note = {Publisher: SAGE Publications},
    keywords = {mobile technology, cultural heritage, auditory tourism, aural culture, interactive media, place, sensory studies, site-specific sound art, sonic cartography, sound studies, soundscape},
    pages = {442--466},
}

@inproceedings{pasca_gamification_2020,
    title = {Gamification in tourism context: a systematic literature review},
    shorttitle = {Gamification in tourism context},
    abstract = {The findings evidence the crucial role of gamification and the necessity to differentiate gamified systems and full-fledged games in the tourism sector and the implications related to the tourism management were identified. Gamification has been adopted in multidisciplinary areas to achieve business goals. This tool attracts tourists and improves the engagement on cocreation experiences, training employees, increase brand awareness and loyalty to the destination. Despite the wide diffusion of gamification in the tourism industry, the phenomenon is still understated. Therefore, our systematic literature review provides the state of the art on gamification usage in the tourism sector. We focus on existing contributions in business management highlighting the main key themes, advantages of gamification and research gaps. Seventeen studies were reviewed. Our findings evidence the crucial role of gamification and the necessity to differentiate gamified systems and full-fledged games. Moreover, the implications related the tourism management were identified as well as useful insights for future researches.},
    booktitle = {{GamiFIN}},
    author = {Pasca, Maria Giovina and Renzi, M. F. and Mugion, R. G. and Toni, Martina and Pietro, L. D.},
    year = {2020},
}

@incollection{xu_1_2021,
    title = {1 {Introduction}: {Gamification} in {Tourism} — {The}

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  {Cutting}- {Edge} {Trend} in {Tourism}},
      isbn = {978-1-84541-823-6},
      shorttitle = {1 {Introduction}},
      url =
{https://www.degruyter.com/document/doi/10.21832/9781845418236-003/html},
      abstract = {Das Kapitel 1 Introduction: Gamification in Tourism – The
Cutting- Edge Trend in Tourism erschien in Gamification for Tourism auf
Seite 1.},
      language = {en},
      urldate = {2022-03-13},
      booktitle = {Gamification for {Tourism}},
      publisher = {Channel View Publications},
      author = {Xu, Feifei and Buhalis, Dimitrios},
      month = apr,
      year = {2021},
      doi = {10.21832/9781845418236-003},
      pages = {1--10},
}

@article{prakasa_designing_2021,
      title = {Designing mobile application gamification for tourism village
in {Indonesia}},
      volume = {1098},
      issn = {1757-899X},
      url =
{https://iopscience.iop.org/article/10.1088/1757-899X/1098/3/032033/meta},
      doi = {10.1088/1757-899X/1098/3/032033},
      language = {en},
      number = {3},
      urldate = {2022-03-24},
      journal = {IOP Conference Series: Materials Science and Engineering},
      author = {Prakasa, F. B. P. and Suyoto, S. and Emanuel, A. W. R.},
      month = mar,
      year = {2021},
      note = {Publisher: IOP Publishing},
      pages = {032033},
      file = {Full Text PDF:C\:\\Users\\HP-
Note\\Zotero\\storage\\TNGH3TN7\\Prakasa et al. - 2021 - Designing mobile
application gamification for
tour.pdf:application/pdf;Snapshot:C\:\\Users\\HP-
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@article{kariapper_influence_2020,
      title = {Influence of {Smart} {Devices} and {IoT} {Applications} in
{Tourism}: {A} {Survey} {Analysis}},
      volume = {5},
      journal = {Journal of Information Systems & Information Technology},
      abstract = {The tourism is the exercises of individuals travelling to
and remaining in spots outside their native surrounding for leisure,
business, education, medication or any other purposes for not more than one
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successive year. The fundamental needs of a tourist are comfortable accommodation, reservation and other online services, foods, tour guide / language guide to relevant places, maps and security measure. These activities are nourished with information and communication technology with including, smart hand held devices, smart wearable devices and IoT devices. This paper figure outs which group of devices in ICT impacts (helps) tourists and tourism industry via literature survey analysis. This study shows that, wearable devices are mostly suitable for tourism depend on the factors used to analyze. Since these types of devices are useful in tourism in different circumstances in its own way with few drawbacks. When functionalities of these devices are combined, the drawbacks can be mitigated.},
    author = {Kariapper, Ahmadh and Ponnampalam, Pirapuraj and Razeeth, Suhail and Nafrees, A C M. and Mohamed Jamaldeen, Ahamed Sabani},
    month = aug,
    year = {2020},
    pages = {56--67},
    file = {Full Text PDF:C\:\\Users\\HP-Note\\Zotero\\storage\\7QK9MFC6\\Kariapper et al. - 2020 - Influence of Smart Devices and IoT Applications in.pdf:application/pdf},
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@article{guo_towards_2021,
    title = {Towards an {IoT} enabled {Tourism} and {Visualization} {Review} on the {Relevant} {Literature} in {Recent} 10 {Years}},
    issn = {1572-8153},
    url = {https://doi.org/10.1007/s11036-021-01813-6},
    doi = {10.1007/s11036-021-01813-6},
    abstract = {The implementation of IoT related technologies in tourism is promoting the achievement of smart tourism. In this context, Fifth generation (5G) technology, which aims to address the limitations of previous cellular systems, massively expands the implementation of IoT and gradually drives the Internet future to the edge. In order to facilitate the implementation, the work tries to formulate a definition of IoT enabled tourism and make a visualization review on the relevant literature to IoT enabled tourism in recent 10 years. The definition of IoT enabled tourism is helpful for extending the current research topics related to smart tourism. The visualization review identifies the intellectual bases and influential studies of IoT enabled tourism. Meanwhile, the outstanding cooperation relationships among authors, institutions and countries are detected out. These findings are helpful for the academic circle making further efforts on IoT enabled tourism and finally facilitating the achievement of smart tourism.},
    language = {en},
    urldate = {2022-03-13},
    journal = {Mobile Networks and Applications},
    author = {Guo, Xudong and Wang, Yuxuan and Mao, Jieqiong and Deng, Yiming and Chan, Felix T. S. and Ruan, Junhu},
    month = aug,
    year = {2021},
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Tourism and Visualization R.pdf:application/pdf},
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@article{Rani2021,
    doi = {10.1088/1757-899x/1077/1/012009},
    url = {https://doi.org/10.1088/1757-899x/1077/1/012009},
    year = {2021},
    month = {feb},
    publisher = {{IOP} Publishing},
    volume = {1077},
    number = {1},
    pages = {012009},
    author = {Septia Rani and Dimastyo Muhaimin Arifin and Sheila Nurul Huda
and Dhomas Hatta Fudholi},
    title = {Case-based Mobile Tourism Attractions Recommender System},
    journal = {{IOP} Conference Series: Materials Science and Engineering},
    abstract = {The variations and the increasing number of tourism
attractions give tourists more choices to enrich their travel experience.
However, it also presents drawbacks, including confusing tourists when
planning a trip, because they have to choose from many tourist attractions
options that match their preferences. In this study, we propose an algorithm
that can generate recommendations of tourist attractions to the user using a
case-based reasoning approach. Case-based recommendation is chosen because
it gives the user a more personalized recommendation that they can customize
later on within the application. Besides, the implementation of this
approach in the tourism domain is still hard to find. As many as 217 tourist
attraction objects in Yogyakarta city are gathered as the case study. We
label each object with three attributes, namely category, visitor type, and
activities. A similarity function called the simple matching coefficient is
used to calculate the item's score based on the user specification. For
assessing the proposed algorithm, we implement the model as an Android
application. To evaluate the recommendation result, we use mean absolute
error calculation (MAE) and mean absolute percentage error (MAPE), resulting
in 4.1 MAE and 5\% MAPE, which is considered highly accurate. Thus, the
recommendation from the system is well suited to the user's preference.}
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@article{bin_travel_2019,
    title = {A {Travel} {Route} {Recommendation} {System} {Based} on {Smart}
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    doi = {10.1155/2019/7038259},
    abstract = {A novel travel route recommendation system is proposed,
which collects tourist onsite travel behavior data automatically regarding a
specific POI based on smart phone and IoT technology and preprocesses the
behavior data to transform raw behavior sequences into Tourist-Behavior
pattern sequences. Tourism recommendation systems play a vital role in
providing useful travel information to tourists. However, existing systems
rarely aim at recommending tangible itineraries for tourists within a
specific POI due to their lack of onsite travel behavioral data and related
route mining algorithms. To this end, a novel travel route recommendation
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system is proposed, which collects tourist onsite travel behavior data automatically regarding a specific POI based on smart phone and IoT technology. Then, the proposed system preprocesses the behavior data to transform raw behavior sequences into Tourist-Behavior pattern sequences. Subsequently, the system discovers frequent travel routes from the generated pattern sequences by using an original route mining algorithm, named Tourist-Behavior PrefixSpan. Finally, a route-recommending method is designed to search and rank tangible travel routes according to the querying tourist's profile and constraint. The experimental results demonstrate that the proposed system is efficient and effective in recommending POI-oriented tangible travel routes considering tourists' route constraints and personal profile while ensuring that the suggested routes have considerable route values.},
    journal = {Wirel. Commun. Mob. Comput.},
    author = {Bin, Chenzhong and Gu, T. and Sun, Yanpeng and Chang, Liang and Sun, Lei},
    year = {2019},
    file = {Full Text PDF:C\:**Users****HP**-Note**Zotero****storage****HV9JRZLB****Bin** et al. - 2019 - A Travel Route Recommendation System Based on Smar.pdf:application/pdf},
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@misc{partteam__oemkiosks_role_2020,
    title = {The role of digital kiosks in the development of tourism},
    url = {https://oemkiosks.com/blog/the-role-of-digital-kiosks-in-the-development-of-tourism/},
    abstract = {In tourism, digital kiosks have played an increasingly relevant role, taking into account their components and functionality.},
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    urldate = {2022-03-25},
    publisher = {PARTTEAM & OEMKIOSKS Blog},
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    author="Wagner, Daniela
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    editor="Wagner, Daniela
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    and Steckenbauer, Georg Christian",
    title="Erlebnisgenese: Bedeutung und Nutzen?",
    bookTitle="Experience Design im Tourismus -- eine Branche im Wandel: Gestaltung von G{\"a}ste-Erlebnissen, Erlebnismarketing und Erlebnisvertrieb",

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    year="2019",
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Freizeitverhalten sowie wachsende Einkommen dazu gef{\"u}hrt, dass die
Reiseintensit{\"a}t massiv zugenommen hat. Seit den 1980er-Jahren stagniert
sie, wenngleich auf sehr hohem Niveau. Mit der Zunahme der
Reiseintensit{\"a}t einher ging auch ein Wertewandel von der Arbeits- zur
Freizeitgesellschaft (Freyer 2010, S. 24 ff., Tourismus. Einf{\"u}hrung in
die Fremdenverkehrs{\"o}konomie, 10. Aufl. M{\"u}nchen: Oldenbourg).
„Freizeit und Urlaub werden als Gegenwelt zum Alltag gesehen`` und
„Erlebnisse, Anerkennung und Sinnfindung vermehrt {\"u}ber den
Freizeitbereich gesucht`` (Freyer 2010, S. 25, Tourismus. Einf{\"u}hrung in
die Fremdenverkehrs{\"o}konomie, 10. Aufl. M{\"u}nchen: Oldenbourg).",
    isbn="978-3-658-24513-9",
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    url="https://doi.org/10.1007/978-3-658-24513-9_1"
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    abstract = {What is a risk assessment? Why is risk assessment important?
What is the goal of risk assessment?},
    language = {eng},
    urldate = {2022-04-07},
    author = {Government of Canada, Canadian Centre for Occupational Health
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    year = {2017}
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   AUTHOR  = "{John R. Ehrenfeld}",
   title   = "{Eco-efficiency Philosophy, Theory, and Tools}",
   url     =
"{http://www.businessperformance.org/sites/default/files/Eco-efficiency%20JI
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   urldate = "{2005}",
   year    = "{2005}",
   address = "{[Accessed in April 2022]}"
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@article{morelli_environmental_2011,
    title = {Environmental {Sustainability}: {A} {Definition} for
{Environmental} {Professionals}},
    volume = {1},
    issn = {21592519},
    shorttitle = {Environmental {Sustainability}},
    url = {http://scholarworks.rit.edu/jes/vol1/iss1/2/},
    doi = {10.14448/jes.01.0002},
    abstract = {While acknowledging the need for "sustainability," this
paper summarizes the problems that have been encountered in our
understanding and use of this concept. It explores the efforts of others to
define the concept within the context of specific disciplinary areas and
sets forth a proposal for a basic understanding of the term "environmental
sustainability" as an expansion of our common perception of the nature of
human activity so as to more clearly connect it with the ecological concept
of interdependence and to serve as a goal for environmental managers.},
    language = {en},
    number = {1},
    urldate = {2022-04-12},
    journal = {Journal of Environmental Sustainability},
    author = {Morelli, John},
    month = nov,
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Environmental Sustainability A Definition for Env.pdf:application/pdf},
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create useful information, without any knowledge of its internal workings.},
    year = {2022},
    urldate = {2022-04-12},
    publisher = {Investopedia},
    author = {Will Kenton},
    year = {2022},
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{Examples}, \& {Facts} {\textbar} {Britannica}},
    url = {https://www.britannica.com/topic/deontological-ethics},
    author = {{The Editors of Encyclopaedia Britannica}},
    year = {2020},
    abstract = {deontological ethics, in philosophy, ethical theories that
place special emphasis on the relationship between duty and the morality of
human actions. The term deontology is derived from the Greek deon, "duty,"
and logos, "science." In deontological ethics an action is considered
morally good because of some characteristic of the action itself, not
because the product of the action is good. Deontological ethics holds that
at least some acts are morally obligatory regardless of their consequences
for human welfare. Descriptive of such ethics are such expressions as "Duty
for duty's sake," "Virtue is its own reward," and "Let justice be done},
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% refer to City Game Portugal site
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you to find them. There are probably even some within walking distance of
where you are right now. Visit Geocaching.com to see just how many geocaches
are nearby and to learn how to start finding them.},
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need. Try it today.},
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in new and exciting ways. Overcome challenges, catch more Pokémon, and
forge friendships through incredible shared experiences.},
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    abstract = {Plan your next trip, read reviews and get travel advice from
our community on where to stay and what to do. Find savings on hotels, book
the perfect tour or attraction, and reserve a table at the best
restaurants.},
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manufacturing high quality digital kiosks and billboards for indoor and
outdoor with more than 22 years of experience.},
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including risks from the marketplace, employee-related risks and financing
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    publisher = {Association for Project Management},
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Chart. Free templates.},
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    author = {workbreakdownstructure.com},
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ucture.com.html:text/html},
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@misc{meclabs_effective_2021,
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{https://www.marketingsherpa.com/article/how-to/value-proposition-business-marketing success},
    abstract = {Shiny Object Syndrome. The tendency to constantly chase the new, the buzzy, the hip. And many marketers have it bad. While the newest technology and techniques can help nudge up your results, sustainable success lies in getting the fundamentals right. And nothing is more fundamental to your organization's success than the value proposition. Yet in the rush to chase quarterly numbers and new technology, there are many misunderstandings about what a truly effective value proposition is and why it is so important. So today we bring you answers to common questions we get from readers about the value proposition.},
    language = {en},
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@article{STRATEGICOBJ,
    title = {Defining strategic objectives: {A} methodology suited for
public organizations},
    volume = {17},
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    shorttitle = {Defining strategic objectives},
    url = {https://doi.org/10.1080/14783360600594172},
    doi = {10.1080/14783360600594172},
    abstract = {In order to manage public organizations strategically, both
the strategic management and the total quality management theory indicates a
limited number of 'strategic objectives or goals' to be defined. These
objectives, which have to be specific but qualitative statements of
commitment, constitute the vital foundation for defining strategic targets,
hence for action plans, resource allocation plans, and budget preparation.
However, defining strategic objectives through ad hoc processes usually do
not result in an effective set of statements. Through our training and
consulting experience, gained in the midst of a wide and strong wave of re-
shaping of public institutions in our country, we have come to develop a
structured process for defining strategic objectives. In this paper, we
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first review the strategic management literature in general, and with regard
to methods for defining 'the right' strategic objectives. We then introduce
a workable process that is participatory, creativity enhancing, and
consensus building.},
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    journal = {Total Quality Management \& Business Excellence},
    author = {Alogan, Güldal  Büyükdamgaci and Yetiş, Nüket},
    month = jul,
    year = {2006},
    publisher= {Routledge},
    doi = {https://doi.org/10.1080/14783360600594172},
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strategic management, strategic objectives},
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- Defining strategic objectives A methodology
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marketing by using the three most common types of market segmentation.},
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developing a customer base for the product or service the business
provides.},
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sentence companies use to distinguish their product from others. Learn why
brands are important.},
    language = {en},
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    abstract = {Positioning  definition - What is meant by the term
Positioning ? meaning of IPO, Definition of Positioning  on The Economic
Times.},
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    shorttitle = {The {Marketing} {Mix} and the {4Ps}},
    url = {http://www.mindtools.com/pages/article/newSTR_94.htm},
    abstract = {Learn how to use the marketing mix (often called the 4Ps of
Marketing) to get the right combination of place, price, product, and
promotion in your business.},
    language = {en},
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        year = {2019},
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    file =
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@misc{marketingmixphoto,
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of the 4 P's can be summed up as having the right product, in the right
place, at the right price with the right promotion.},
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{https://www.businessnewsdaily.com/15766-how-to-develop-a-marketing-budget.h
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tracking it. This guide will help you set up your marketing budget and
ensure you hit your targets.},
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    urldate = {2022-05-27},
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    abstract = {TikTok is the hottest social network right now. Here are all
the TikTok stats you need, in one place. Last updated - Apr 2022.},
    language = {en-US},
    urldate = {2022-05-27},
    journal = {Wallaroo Media},
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    shorttitle = {Instagram {Demographics} in 2022},
    url = {https://blog.hootsuite.com/instagram-demographics/},
    abstract = {Who are the one billion people using Instagram every day? An
understanding of Instagram demographics is essential for savvy marketers.},
    language = {en-US},
    urldate = {2022-05-27},
    journal = {Social Media Marketing \& Management Dashboard},
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jednym z narzędzi, który w zobrazowany sposób pokazuje schemat ciągłego
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doskonalenia (kaizen).},
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    year = {2020},
        author = {Angela Knobloch},
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@article{elsacker_interdisciplinary_nodate,
    title = {An interdisciplinary exploration of the fabrication and
properties of mycelium-based materials},
    language = {en},
    author = {Elsacker, Elise VANDEN},
    pages = {469},
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    file = {Elsacker - An interdisciplinary exploration of the
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@article{elsacker_comprehensive_2020,
    title = {A comprehensive framework for the production of mycelium-based
lignocellulosic composites},
    volume = {725},
    issn = {00489697},
    url = {https://linkinghub.elsevier.com/retrieve/pii/S0048969720319446},
    doi = {10.1016/j.scitotenv.2020.138431},
    abstract = {Environmental pollution and scarcity of natural resources
lead to an increased interest in developing more sustainable materials. For
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example, the traditional construction industry, which is largely based on
the extraction of fossil fuels and raw materials, is called into question. A
solution can be found in biologically augmented materials that are made by
growing mycelium-forming fungal microorganisms on natural fibres rich in
cellulose, hemicellulose and lignin. In this way, organic waste streams,
such as agricultural waste, are valorised while creating a material that is
biodegradable at the end of its life cycle â€" a process that fits in the
spirit of circular economy. Mycelium-based materials have properties that
are promising for a wide range of applications, including the use as
construction materials. Despite this promise, the applicability and the
practicality of these materials are largely unexplored and moreover,
individual studies use a wide range of different experimental approaches and
non-standardized procedures. In this review, we critically evaluate existing
data on the composition of mycelium-based materials and process variables
with the aim of providing a comprehensive framework of the production
process. The framework illustrates the many input factors during the
production that have an impact on the final characteristics of the material,
and the unique potential to deploy more tuneable levels in the fabrications
process that can serve to prototype a diversity of new unprecedented
applications. Furthermore, we determine the applicability of existing data
and identify knowledge gaps. This framework is valuable in identifying
standardized approaches for future studies and in informing the design and
process of new applications of mycelium-based materials.},
    language = {en},
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    journal = {Science of The Total Environment},
    author = {Elsacker, Elise and Vandelook, Simon and Van Wylick, Aurélie
and Ruytinx, Joske and De Laet, Lars and Peeters, Eveline},
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discrete particles and a network of interconnected mycelia cells bonding the
discrete particles together. The composite material is a made by inoculating
a Substrate of discrete particles and a nutrient material with a preselected
fungus. The fungus digests the nutrient material over a period of time
Sufficient to grow hyphae and to allow the hyphae to form a network
ofinterconnected mycelia cells through and around the discrete particles
thereby bonding the discrete particles together to form a self-supporting
composite mate rial. In another embodiment, the fungus is allowed to grow as
a fruiting body out of the substrate and within an enclosure to completely
fill the enclosure to form a self Supporting structure.},
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FOR PRODUCING GROWN MATERALS AND PRODU.pdf:application/pdf},
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@misc{tourism_porto,
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1995-2020 in Portugal, including comparison with other countries in Southern
Europe},
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that has been in use for centuries. Aluminium / aluminum 5000 series alloys
are mainly used in sheet or plate form but can be obtained as extrusions as
well.},
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