Prospects of Sustainability and Planning of Cities (SPSC 2020).

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SPSC Conference Proceedings volume Involved Our Peer Reviewed Papers that are reviewed and presented through the Prospects of Sustainability and Planning of Cities Conference (SPSC-2020), Which held in Center of Urban and Regional Planning, University of Baghdad, Iraq, 16-17 Dec. 2020. SPSC aims to gather all the new trends, projects, technologies, and recent research works in many fields in sustainability and planning studies. All Submitted Papers will be based on double-blind reviews, where only Accepted papers and based on reviewers' comments and editorial board decisions will be considered for possible publication in our Conference Proceeding with IOP Conference Series: Earth and Environmental Science (EES).

SPSC Conference got very significant interesting from authors comes from several countries like: Spain, India, Algeria, Surya, Indonesia, and Many other Countries where the authors are successfully presented their works and attend our conference sessions who managed by our scientific and organizing committee Members, and answered all the questions that directed to them by session chairs and attendances. We successfully held this conference within 2-Days (16 and 17 December 2020), where on the first day we successfully listened to the keynote speakers' presentations then the session started from 12:30 PM in Iraq Standard Time till 02:30 PM. We would like to express our thanks and appreciation to all our session chairs for their hard work and attend our (6) sessions through two days and more than 8 hours per day to deliver the presented works in a successful manner.

SPSC conference hosted 3 plenary sessions per day, where on the first day (16th December 2020) the Inauguration program started from (10:00 AM) till (12:30 PM). Then Sessions Started directly by dividing the authors into their certain session who managed by 4 Chairs (2 From Scientific Committee board, 1 from Organizing committee board and 1 from Conference Editors chairs board). Papers which have been presented in our conference will process to publish in the IOP Conference Series: Earth and Environmental Science (EES) under the peer-reviewed process. We Glad to express our gratitude for all of the participants, keynote speakers, organizing committee members, Scientific Committee members, and other Guest Chairs and Patrons for their support and achievement, and we extend our thankful to all our reviewers (73+), for their times and valuable notes. We extend our thanks to our international committee members for the gaudiness of their participants and promote this conference in their regions, and
successfully attend very attractive presents. Also, we thank our authors for their effective contribution in our conference and participating with us in this conference proceeding.

**Venue of the Conference**

The conference was held in the Conference Hall at Center of Urban and Regional Planning, University of Baghdad. Keynote Speakers Sessions presented virtually through Zoom Meeting Software, then the Session started either physically or virtually where some authors presented their works in our sessions Physically, and oversea authors presented their works virtually where each one assigned 10 Minutes at all to present the work, and 5 minutes for discussion and QA. SPSC organizers aim through this conference to explore various knowledge and New Ideas and share with others all their novel contributions for better development in research works.

**The Reason(s) why SPSC Conference Held Virtually:**

Due Covid-19 Pandemic Situation in many countries around the world and due the incredible increase of positive cases through this Pandemic per day, where the number of cases in our peoples that infected by Covid-19 in the world and in Iraq Increased daily, and due to the World Health Organization and Ministry of Health Recommendations, the conference organizers held this conference Semi-virtually to keep the life of our participants and also due to the lock down at the time of the conference. Conduct SPSC virtually bring huge number of participants that non expected due many peoples are unable to attend conference physically, but they are able to attend our online Conference due to the friendly uses of Virtual Software without spending money for flight tickets to attend online conferences. However, we feel those peoples by attend our conference achieved our goal by inviting very attractive authors and participants who are interest to attending this conference, they will not able to attend it if it's held in non-virtually, However, The organizing committee achieved these tasks and all sessions has been organized and managed successfully through Zoom Conference Meeting, where the team attend physically to use the Center of Urban and Regional Planning at University of Baghdad infrastructure to achieve this conference Successfully.

**Technology, Technical Difficulties and Drawbacks of Conference Virtually.**

SPSC Conference Consider the ZOOM Meeting Software as the main software to conduct this conference, as the Main Software for delivering the Session discussions and Meeting information to all participants in Iraq and other countries. The main advantages of this Technology is to reduce the time and space when someone would like to attend any scientific event and also discard the limitations and borders for the Scholars and authors who would like to attend this event from far-away countries, in which provide a platform that able to manage and control large number of participants is the main challenge of choosing the best software, we find Zoom meeting is the best software that fulfill our requirements and provide amazing virtual platform to manage our authors and participants through our conference sessions.

The main technical difficulty in virtual software is the internet connection, due to covid-19 band, many peoples sitting at homes and many jobs transformed from physical to virtual mode, However, internet connection and ISP infrastructure may affected due to the large number of traffic devices that joined to the networks recently, and due many ISP companies do not have good infrastructure to provide stable connection through online events. Hence, we conducted our sessions at the university of Baghdad by consuming the Internet infrastructure there and we held SPSC conference in very successful manner without any challenges or interruptions through the conference sessions. With Blessing of God, we held this conference successfully without any issue and we are looking to conduct this conference in future in physical manner after the world remedy from Covid-19 pandemic.
The Main Technical Difficulties of Virtual Meetings can be summarizing as follow:

Virtual Techniques and software can be used to achieve these kinds of events and conferences in virtual mode, many software's at the current time, offered by many companies either in free or paid own services also available through the internet. The main challenge to use online technique is to find the good software that able to manage large number of attendees with varied number of traffic data, we feel that the internet connections is the main source for any challenge in any online event. However, if the internet connection became slow, where many users are forced to exit and rejoin many times through the session. So many software's can used to achieve high quality meeting, need some certain limitations, like number of users, to keep the bandwidth little good, however not all interested peoples can attend meeting, difficulty of join and attend the meeting rooms, view and share the content, etc. it was the main challenges in any online event. 

Drawbacks of virtual conference, we do not feel the virtual conference have much drawbacks than physical conferences, in which many peoples can avoid many fees payment for travels and hosting, registration fees, as well as flight tickets in which virtual conferences gives free offer for all the above issues. Another thing is, some famous Scholars, and international professors can easily join and attend online Events without fees in which they can attend and spoke by sitting at their homes.

The main drawback we feel that if some authors would like to visit the conference venue for direct discussion and made good collaboration, so virtual meeting can also achieve this task easily, at the current time where all world suffer from Covid-19 pandemic.

Conference Chairs
- Prof. Dr. Mounir Hamid Al Saadi
- Prof. Dr Eng Kareem Hasan Alwan

Organizing Committee
- Prof. Dr Eng Kareem Hasan Alwan
- Assit. Prof. Dr. Eng Amer shakir alkinani
- Assit. Prof. Dr. Eng Baydaa Hussain Maula
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- Assoc. Prof. Dr. Melati Ferianita Fachrul
- Assoc. Prof. Dr. Astri Rinanti

Sessions Chairs

- Prof. Dr. Luay Taha Muhammad Rashid.
- Prof. Dr. Saba Jaber Neama.
- Prof. Dr. Jamal Baqer Mutlaq
- Asst. Prof. Dr. Waddah Amer Hatem.
- Asst. Prof. Dr. Mustafa Abdel Jalil.
- Asst. Prof. Dr. Wehda Shuker Alhinkawi.
- Asst. Prof. Dr. Firas Thamer Hammoudi.
- Asst. Prof. Dr. Muheeb Kamel Fleih
- Dr. Falah Mahdi Hadi.
- Dr. Abbas Hashim Sahen
- Asst. Lec. Abdul Razzaq Abdullah Saleh.

Invited Speakers

- **Dr. Husam Alwaer, University of Dundee, U.K.**, Husam B.Arch (hon), MRTPi, Ph.D, BREEAM AP, AoU, Recognised Practitioner in Urban Design, for more information about Dr. Husam please visit the following link: [https://www.dundee.ac.uk/people/husam-al-waer](https://www.dundee.ac.uk/people/husam-al-waer).

- **Ahmed Naeem Gharbawe**, WASH specialist/water sanitation and Hygiene Unicef, Baghdad, Iraq.

- **Dr. Melati Ferianita Fachrul**, Ketua Jurusan Teknik Lingkungan, Indonesia, for more information about Dr. Melati please visit the following link: [http://en.faltl.trisakti.ac.id/personil/view/dr-melati-ferianita-fachrul-ms](http://en.faltl.trisakti.ac.id/personil/view/dr-melati-ferianita-fachrul-ms).
Organizing Institutions

- University of Baghdad, Baghdad, Iraq.
- Center of Urban and Regional Planning, University of Baghdad, Iraq.

Conference Partners

Special Thanks to our Conference partners for supporting us to achieve this conference successfully.

- CRTC Universitas Trisakti, Indonesia.
- Planning Consultancy Bureau, University of Baghdad, Iraq.
- Institute of Technology, Central Technical University, Baghdad, Iraq.
- AVI Cenna E-Learning Center, University of Baghdad, Iraq.
- Iraqi Islamic Bank. Iraq.
- Unicef Organization.
- Siher AlDiyar Pvt. Ltd.
The proceedings of the first day's sessions

| Time          | Details                                                                 |
|---------------|-------------------------------------------------------------------------|
| 10:05 -10:00  | Holy Quran                                                             |
| 10:15-10:05   | Playing National Anthem Songs of IRAQ                                  |
| 10:20-10:15   | Welcome Speech by the President of the University of Baghdad, Prof. Dr. Mounir Hamid Al Saadi |
| 10:25-10:20   | Welcome Speech by Prof. Dr Eng Kareem Hasan Alwan, Chair of Organizing Committee |
| 10:30-10:25   | Welcome Speech by Representative of the conference Partners, the authorized director of the Iraqi Islamic Bank |
| 10:35-10:30   | Documentary film about the Center for Urban and Regional Planning for postgraduate studies |
| 10:45 -10:35  | Conference Awards                                                      |
The proceedings of the Second day's sessions

With our pleasure to attend our next conferences in Future