



Curriculum vitae

Mahmoud Husni Ibrahim Shakarna

PERSONAL INFORMATION:

Name : Mahmoud Husni Ibrahim Shakarna
Nationality : Palestinian
Birth Date : 26-3-1986
Marital Status : Married
Passports : Jordanian , Palestinian .
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Qualifications:

- ❖ (Bachelor + Master) (Civil Engineering and Industrial Construction) Specialization Structural Design 2010
- ❖ (PhD in Civil Engineering Belgorod State Technological University.-Russian Federation 2013 (Building Materials and Constructions Products)

- ❖ **Research Interests:-** ,
- ❖ Green Building , Sustainable Building Green materials , Construction Materials Development and Concrete Technology , Concrete Repair, Soil Investigation and Testing, , Restoration of Historic Building, , Building Evaluation & strengthening.

ACDMIC AND WORKING EXPERIENCES :

- ❖ **September 2022** – up to date Assistant Professor ,**Palestine Ahliya University- Faculty of Engineering and Information Technology**
- ❖ **International Technical Expert** in ISO/TC 71 - Concrete, Reinforced Concrete and Prestressed Concrete representative Palestinian Standard Institution From December 2017 until now.
- ❖ **Technical consultant** at Palestinian construction union from 2019-till now
- ❖ **September 2014 – up to September 2022** Assistant Professor ,Al-Quds University Faculty of Engineering (**Materials and Architectural Departments-Part Time**) .
- ❖ **September 2014– up to up to September 2022** date Quality Manager at Center for Environmental & Civil Engineering Studies (**Center for Geotechnical and Materials Testing**)

Publications

- ❖ Mohammed Khattab¹ · Oday Jaradat² Samya Hachemi¹ · Hisham Suleiman³ · Hicham Benzetta⁴ · Mahmoud Shakarna² · **An experimental study on the use of waste marble as replacement of aggregates and cement in construction material** Innovative Infrastructure Solutions (2024) 9:269 Volume 9, article number 269, (2024) © Springer Nature Switzerland AG 2024
- ❖ Mahmoud Shakarna, Ahmed Khattab, Ahmad Abudayyah, Ahmad Al-Jabareen , "**Utilization of Stone Cutting Industry Slurry in Cement Production,**" Civil Engineering and Architecture, Vol. 12, No. 3, pp. 1369 - 1377, 2024. DOI:10.13189/cea.2024.120306
- ❖ Lesovik V.S., Zagorodnuk L.H., Tolmacheva M.M., Smolikov A.A., Shekina A.Y., Shakarna M.H.I. **Structure formation of contact layers of composite materials.** Life Sci J 2014;11(12s):948-953] (ISSN:1097-8135).
- ❖ **Ruslan Lesovik¹, Yury Degtev¹ , Mahmud Shakarna¹ & Anastasiya Levchenko¹ Green Composites in Architecture and Building Material Science** 1 Belgorod Shukhov State Technological University, 308012, Belgorod, Russia Modern Applied Science; Vol. 9, No. 1; 2015 ISSN 1913-1844 E-ISSN 1913-1852 Published by Canadian Center of Science and Education
- ❖ Raed Ma'ali^{1*} , Mahmoud Shakarna^{1, 2}, Omar Surki¹ , Shadi Sawalha³ , Areej Sharif¹ , Hiba Kamil¹ and Nehaya Khateeb **Production of Low-Cost Concrete Using Powder from Demolition** Concrete Journal of Engineering (IOSRJEN) www.iosrjen.org ISSN (e): 2250-3021, ISSN (p): 2278-8719 Vol. 08, Issue 9 (September. 2018), ||V (I) || PP 50-55

- ❖ **Shakarna M.H ,Comosite Binders With The Use of volcanic tuff of Jordan Belgorod State Technological University.** BSTU named after V.G. Shukhov - 2013. Number 3, p.38-43 ISSN 2071-7318.
- ❖ **Professor Zagorodnjuk.L.H·Professor Lesovik.V.S· mahmoud shakarna Using a solution based on perlite sand plaster decoration of buildings and structures-Journal of the Faculty of Engineering University of Diyala 2013 Number4, p.45- 57 ISSN1999-8716.**
- ❖ Valery Stanislavovich Lesovik, Marina Sergeevna Ageeva and **Mahmoud Ibrahim Husni Shakarna**, Efficient Binding Using Composite Tuffs of the Middle East World Applied Sciences Journal 24 (10): 1291-1295, 2013 ISSN1818-4952© IDOSI Publications, 2013 DOI: 10.5829/idosi.wasj.2013.24.10.7003
- ❖ Liliya Zagorodnjuk, **Mahmoud Shakarna**, Anastasiya Shekina CLASSIFICATION OF ADDITIVES FOR FINE-DISPERSED COMPOSITE REINFORCING, Conference participants, National Research Analytics Championship P31-P34 LONDON 2014.

Seminars, workshop and scientific sessions

- ❖ **Energy-saving gypsum bricks with Recycled stone powder for sustainable buildings** Mahmoud Shakarna, Oday Jaradat, Mohammad Kanan, Ahmad Shalaldah, Mohammed Shalaldah , 2nd International Engineering Conference on Electrical, Energy, and Artificial Intelligence (EICEEAI) Al zarqa University Jordan 2023.
- ❖ Oday Jaradat*1, Mahmoud Shakarna 1, Karima Gadri 2, Mohammed Khattab 2, Hisham Suleiman 3, Asal Sirhan **Sustainable Brick Production from Stone Quarry Waste: Environmental Solutions and Performance** Evaluation 3rd International Conference on Engineering, Natural and Social Sciences May 16-17, 2024 : Konya, Turkey.
- ❖ Effect of stone sludge incorporation on cement brick production Oday Jaradat*1, Mahmoud Shakarna 2, Asal Sirhan 3, Karima Gadri 1, Mohammed Khattab 2nd International Conference on Contemporary Academic Research November 4-5, 2023 : Konya, Turkey
- ❖ Advantages Using Superpave Method in Road Pavement **Mahmoud Shakarna** Palestinian Engineers Association (Jerusalem Center) Ramallah 09-05-2018.

- ❖ Durability of concrete **Mahmoud Shakarna** (Concrete Day) Palestine Technical University / Kadoorie 20-11-2017.
- ❖ Common Mistakes in concrete production in Palestine **Mahmud shakarna** cooperation with Palestinian standard institution Ramallah ,Hebron , Nablus (18,21,25-05-2017)
- ❖ GRC Materials and Application **Mahmoud Shakarna** (Architectural Concrete Day) at An-Najah National University 16-11-2016.
- ❖ New Methods For Structural Concrete Strengthening **Mahmoud Shakarna** Ministry of Public Works and Housing 04-10-2016.
- ❖ New Generations of Concrete **Mahmoud Shakarna** (Concrete Day) at Birzeit University 16-3-2016.
- ❖ Course in construction materials and insulating glass join (RUSNANO) Russia – Belgorod (2010).

Courses Taught: - Building Physics , Building construction, Mechanics of soil ,strength of materials , Construction Materials , Concrete Technology ,Building physics, Inspection and Testing Historic Building, Building Materials Lab, Engineering Drawing Lab.

Postgraduate Research Supervision (Master Theses and projects):

- 1- Graduation Project (**Recycling of Concrete**) students:- Areej Sharif ,Hiba Kamil ,Nehaya Khateeb , Co-Advisor 2014-2015.
- 2- Graduation Project (**Utilization of Stone Cutting Industry Slurry in Cement Production**) students:- Ahmed Khattab , Ahmad Abudayyah Major Advisor 2015-2016.
- 3- Graduation Project (**Improvement Cast Stone in Palestine**) students:- Isra Salahat, Bayan Amer, Major Advisor 2016-2017 .
- 4- Graduation Project (**Polymers Concrete**) Student:Ali Hussien , Co-Advisor 2016-2017.
- 5- Graduation Project Compatibility Studies of Using Cement-Superplasticizer System in Palestinian Concrete Factories Student: Maysam Salameh Major Advisor 2017-2018
- 5- Graduation Project (**Improvement of Porous Asphalt Using Heat Induction Self- Healing in Palestine**) students:- Mohammad Mostafa, Samah Atallah, Ahmad Natsheh & Jumana Idrees Major Advisor in progress .

Memberships in associations and trade unions Engineering

- Member of Palestinian Standardization Technical Committees (Concrete Units & Cement products, Pavement and Roads Materials Building Stones and marble) from 2017 **until** now
- Member in a Jordanian Engineers Association (Jerusalem Center) .
- Member of the American Society of Concrete(ACI)

TECHNICAL & COMPUTER SKILLS:

- AutoCad 2013 ,
- ArchiCad 11 , 12
- Stadpro 2004
- safe 12
- Etabs 2013
- Windows 7 , XP , Vista & 98
- Microsoft Office 2010 , 2007, 2003
(Word , Excel & P.Point)

PROFESSIONAL SKILLS:

- Highly organized; ability to prioritize multiple tasks and meet deadlines
- Strong interpersonal skills;
- Able to quickly adapt to new situations and systems.

Languages SKILLS:

Language	Reading	Writing	Speaking
Arabic	Native	Native	Native
English	Excellent	Very good	Very good
Russian	Excellent	Excellent	Like Native