

## **List of funded projects in 2023-2024-2025**

**Msc in Construction Project Management Program, Civil Engineering Department**

**College of engineering, King Khalid University.**

| <b>PI name</b>      | <b>title of the research project</b>   | <b>Project number</b> | <b>Funding entity</b> | <b>budget</b> | <b>Status</b> |
|---------------------|--|-----------------------|-----------------------|---------------|---------------|
| Nabil Ben Kahla     | A study of fiber reinforced concrete as an environmentally friendly composite material | RGP. 2/176/45         | KKU                   | 150 000 sar   | completed     |
| Hamdi Ayed          | Applications of nanofluids in thermal energy system and green economy                  | RGP2/95/45            | KKU                   | 150 000 sar   | completed     |
| Yasser Alashker     | New Materials and Structures for Sustainable Civil Engineering Projects                | RGP.2/163/45          | KKU                   | 150 000 sar   | completed     |
| Ahmed Babeker Elhag | Soil strengthening using environmentally friendly composite materials                  | RGP.2/303/45          | KKU                   | 150 000 sar   | completed     |
| Khaled Elhadi       | Strengthening defected reingorced concrete structures using composite materials        | RGP. 2/213/45         | KKU                   | 150 000 sar   | completed     |

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|----------------------------|---|---------------|-----|-------------|-----------|
| Dr Mohd Ahmed              | Sustainable Procedures in Numerical Methods and Geo-informatics for Construction Materials, Construction Projects, and Engineering Structures | RGP. 2/375/45 | KKU | 150 000 sar | completed |
| Mohd Abul Hasan            | Waste Management and Groundwater Pollution Remediation for a Sustainable Environment  | RGP.2/182/45  | KKU | 150 000 sar | completed |
| Jameel Mohammed Sardar Ali | Development of Sustainable Fiber Reinforced Concrete Structural Elements  | RGP.2/418/45  | KKU | 150 000 sar | completed |
| Essam Althaqafi            | Optimal design of reinforced concrete structures  | RGP.2/447/45  | KKU | 150 000 sar | completed |
| Khaled Mohamed Khedher     | Natural Hazard and its Impact on Land Use and Land Cover using New Technologies in Saudi Arabia   | RGP.2/338/45  | KKU | 150 000 sar | completed |
| Abdullah Asiri             | Structural element analysis based on elasticity formulation   | RGP.2/165/44  | KKU | 150 000 sar | completed |
| Dr Mohd Ahmed              | Construction industry management, computational methods and environmental informatics (Principal Investigator)                                | RGP.2/424/44  | KKU | 150 000 sar | completed |

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|------------------------|---|---------------|-----|-------------|-----------|
| Mohamed hechmi El Ouni | Evaluation of FRP-confined sustainable and resilient concrete structural elements under different loads.                    | RGP. 2/147/45 | KKU | 150 000 sar | completed |
| Nabil Ben Kahla        | Behavior of Fiber Reinforced Concrete under Extreme service conditions: Experimental and Modeling Approaches                | RGP. 2/203/46 | KKU | 150 000 sar | ongoing   |
| Hamdi Ayed             | .<br>The green economy and nanofluid applications in thermal energy systems   | RGP2/36/46    | KKU | 150 000 sar | ongoing   |
| Yasser Alashker        | Achieving sustainability and efficiency in civil engineering projects using modern materials and structural models          | RGP. 2/94/46  | KKU | 150 000 sar | ongoing   |
| ROOHUL ABAD KHAN       | Sustainable energy based wastewater treatment   | RGP. 2/09/46  | KKU | 150 000 sar | ongoing   |
| Ahmed Babeker Elhag    | Innovative approaches to improving sustainability in cement production through the use of recycled coarse aggregate.        | RGP. 2/432/46 | KKU | 150 000 sar | ongoing   |
| Javed Mallick          | Leveraging geoinformatics and machine learning for environmental monitoring, climate change analysis, and impact assessment | RGP. 2/168/46 | KKU | 150 000 sar | ongoing   |

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|----------------------------|--|---------------|-----|-------------|---------|
| Khaled Elhadi              | Investigation of Reinforced concrete with fly ash under fire conditions  | RGP. 2/358/46 | KKU | 150 000 sar | ongoing |
| Dr Mohd Ahmed              | Advanced Computational and Experimental Techniques, and Geo-informatics for development of Sustainable Construction Materials and Sustainable Structures                 | RGP. 2/105/46 | kku | 150 000 sar | ongoing |
| Mohd Abul Hasan            | Pollution Prevention and Mitigation for a Sustainable Environment  | RGP2/195/46   | KKU | 150 000 sar | ongoing |
| Jameel Mohammed Sardar Ali | Development of Sustainable Concrete using Machine Learning   | RGP2/33/46    | KKU | 150 000 sar | ongoing |
| Essam Althaqafi            | Nonlinear Finite Element Modeling of Steel Fiber Reinforcement Concrete  | RGP2/539/46   | KKU | 150 000 sar | ongoing |
| Abdullah Asiri             | Performance evaluation of lightweight concrete with pumice aggregate.  | RGP.2/305/45  | KKU | 150 000 sar | ongoing |
| Mohamed hechmi El Ouni     | Testing and Modeling of FRP-Reinforced and Confined Carbon-Cured Sustainable Geopolymer Concrete Composite Structural Members Subjected to Different Loading Conditions. | RGP. 2/285/46 | KKU | 150 000 sar | ongoing |

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|---------------|---|---------------|-----|-------------|---------|
| Javed Mallick | Utilizing geoinformatics and machine learning for environmental monitoring and assessment | RGP. 2/332/46 | KKU | 150 000 sar | ongoing |
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