

Impact of Publication Work

Prof. Shamsad Ahmad's publication portfolio demonstrates a profound and sustained impact across the fields of **sustainable construction materials, corrosion science, ultrahigh-performance concrete (UHPC), alkali-activated binders, structural strengthening, and smart infrastructure technologies**. His **149 peer-reviewed journal papers**, including **61 in Q1 and 52 in Q2 journals**, address global sustainability challenges through innovative material utilization (e.g., red mud, limestone calcined clay, CO₂ sequestration, and industrial waste recycling). His research has significantly advanced understanding in **durability enhancement, corrosion mitigation, carbon capture in concrete, and multifunctional smart composites**.

With **over 6,700 citations (h-index = 42, Google Scholar)** and several *highly cited and award-winning papers*, his work has influenced both academic research and industry practices in green and smart concrete technologies. Multiple publications in top journals such as *Cement and Concrete Composites*, *Construction and Building Materials*, and *Chemical Record* highlight his global research visibility. Overall, his contributions have strengthened the scientific foundation for **eco-efficient, durable, and intelligent infrastructure materials**, aligning with worldwide efforts toward **carbon neutrality and sustainable civil engineering innovation**.