

Figure 1: Comparison of the results of the proposed model with the experimental results. The figure consists of 12 subplots arranged in a 4x3 grid. Each subplot shows the load (kN) versus displacement (mm) for a specific specimen. The specimens are labeled as follows: Top row: Specimen 1, Specimen 2, Specimen 3; Middle row: Specimen 4, Specimen 5, Specimen 6; Bottom row: Specimen 7, Specimen 8, Specimen 9. Each subplot includes a red line representing the experimental results and a black line representing the proposed model results. The load ranges from 0 to 100 kN, and the displacement ranges from 0 to 100 mm. The subplots show that the proposed model results closely match the experimental results for all specimens.