

Table of Contents

| S.NO. | PAPER TITLE | PG NO. |
|-------|--|---------|
| 1. | DEVELOPMENT OF SELF COMPACTING CONCRETE WITH LOCALLY AVAILABLE SPENT CATALYST AND QUARRY DUST | 1 – 6 |
| 2. | KINETIC MODELING OF OIL ABSORPTION BY WASTE TIRE GRANULES | 7 – 11 |
| 3. | SHEAR LOCKING IN BILINEAR QUADRATIC PLANE ELEMENTS | 12 – 16 |
| 4. | OVERVIEWS OF FACTORS AFFECTING DYNAMIC PROPERTIES OF TROPICAL RESIDUAL SOIL | 17 – 20 |
| 5. | A STUDY OF CHARACTERISTICS OF SOCIAL AND LEARNING NETWORKS OF CIVIL ENGINEERING STUDENTS | 21 – 28 |
| 6. | EXPERIMENTAL ANALYSIS ON FLOW RESISTANCE FOR DIFFERENT MACRO-SCALE ROUGHNESS ARRANGEMENTS | 29 – 32 |
| 7. | THEORETICAL-EXPERIMENTAL MODEL FOR THE DESIGN OF VORTEX DROP SHAFTS | 33 – 37 |
| 8. | EFFECT OF SUPPORTS POSITION ON THE IMMEDIATE DEFLECTION FOR REINFORCED CONCRETE BEAM | 38 – 42 |
| 9. | ESTIMATION METHODS FOR OBTAINING GPR SIGNAL VELOCITY | 43 – 47 |
| 10. | THREE DIMENSIONAL NUMERICAL STUDY FOR PILE GROUP BEHAVIOR UNDER TORSION EFFECT | 48 – 51 |
| 11. | MICROMECHANICS ANALYSIS FOR EFFECTIVE PROPERTIES OF PIEZOCOMPOSITES | 52 – 55 |
| 12. | PERFORMANCE IMPROVING OF ALKALI ACTIVATED BLAST FURNACE SLAG MORTARS WITH TILE DUST | 56 – 60 |
| 13. | DEVELOPMENT OF PAVEMENT PREDICTION MODELS USING MARKOV CHAIN THEORY FOR EGYPTIAN HIGHWAY NETWORK | 61 – 66 |
| 14. | RUNOFF PREDICTION UNDER CLIMATE CHANGE: ARTIFICIAL NEURAL NETWORK APPROACH | 67 – 70 |
| 15. | EFFECT OF CORROSION ON PUSHOVER PERFORMANCE OF A STEEL PLATE SHEAR WALL | 71 – 73 |
| 16. | EFFECT OF POLYELECTROLYTES ON THE ELECTROCOAGULATION OF ORGANIZED INDUSTRIAL DISTRICT RAW WASTEWATER USING ALUMINUM ELECTRODES | 74 – 76 |
| 17. | TRAZEO: ICT APPLIED TO WALKING SCHOOL BUSES IN SPAIN | 77 – 81 |

| | |
|---|-----------|
| 18. ARE YOU A MIND READER, DESIGN-BUILDER? OBSERVATIONS ON EMPLOYERS' BEHAVIORS TO VARIATIONS IN PUBLIC PROJECTS | 82 – 85 |
| 19. DETERMINATION OF ILLEGAL PUMPING AND MONITORING NETWORK USING GENETIC ALGORITHM BASED SIMULATION-OPTIMIZATION MODEL | 86 – 90 |
| 20. ACCELERATED GRANULATION IN EXPANDED GRANULAR SLUDGE BED (EGSB) REACTOR USING DISTILLERY SPENT WASH WITH CHITOSAN AND ALUMINUM SULPHATE | 91 – 95 |
| 21. EVALUATION OF NITROGEN, PHOSPHORUS, SALT CONTENT AND DISSOLVED OXYGEN CONTAMINATION OF SOME GROUNDWATER IN AMIK PLAIN (SOUTHERN TURKEY) | 96 – 100 |
| 22. STUDY ON THE COMBINATION MODE OF DESIGN AND SUPERVISION IN CONSTRUCTION PROJECT CONSULTING SERVICE IN SAUDI ARABIA (CIVIL ENGINEERING) | 101 – 104 |
| 23. CONSTRUCTIVE TRADITION BECOMES FUTURE DESIGN AN EDUCATIONAL AND PROFESSIONAL TRAINING ESTABLISHMENT IN AFRICA – TANZANIA | 105 – 108 |
| 24. APPLICATION OF ORGANIC MATTER FRACTIONATION TECHNIQUE FOR EVALUATION OF COAGULATION-BIOFILTRATION PROCESS AT A FULL SCALE WTP | 109 – 111 |
| 25. NEW CEMENT BASED MORTAR FORMULATIONS AS POTENTIAL ENERGETIC EFFICIENCY BUILDING MATERIALS | 112 |
| 26. USE OF GEOSYNTHETICS IN WATER HARVESTING | 113 – 116 |
| 27. THERMAL PERFORMANCE OF COMPOUND SOLAR RADIANT FLOOR HEATING WITH PCM INSULATION IN GREEN BUILDING | 117 – 120 |
| 28. OPTIMUM DESIGN OF CORRUGATED WEB BEAMS USING STOCHASTIC SEARCH TECHNIQUES | 121 – 125 |
| 29. ENERGY HARVESTING ON ROAD PAVEMENTS | 126 – 130 |
| 30. EFFECT OF NITROGEN SOURCE TYPE ON N-ALKANE BIODEGRADATION IN SANDY SOILS | 131 |
| 31. TECHNO-ECONOMIC EVALUATION FOR RE- DESIGNING EXISTING HOSPITAL BUILDING TO A SUSTAINABLE STRUCTURE | 132 – 136 |
| 32. CLAYS AS ADSORBENTS OF TARTRAZINE: A SUSTAINABLE APPLICATION | 137 – 140 |
| 33. AN EXPERIMENTAL STUDY ON THE MOMENT-ROTATION OF BOLTED BEAM-COLUMN CONNECTIONS | 141 – 146 |

| | |
|---|-----------|
| 34. THE NEW FRONTIER OF GREEN ARCHITECTURE: BAMBOO AS BUILDING MATERIAL | 147 – 151 |
| 35. BETTERNET: A DECISION SUPPORT SYSTEM FOR CHLORINATION OF WATER DISTRIBUTION SYSTEMS | 152 – 160 |
| 36. ACTIVE TO BE PASSIVE A REASONED DEVELOPMENT OF THE PASSIVHAUS STANDARD FOR TWO DIFFERENT CLIMATES | 161 – 165 |
| 37. EVALUATION OF THE STRENGTH PROPERTIES OF STEEL FIBRE REINFORCED CONCRETE PRODUCED WITH FLY ASH AS PARTIAL CEMENT REPLACEMENT | 166 – 170 |
| 38. MECHANICAL PERFORMANCE OF SELF CONSOLIDATING CONCRETE CONTAINING PLASTIC WASTE PARTICLES | 171 – 176 |
| 39. STRAINS ON CONCRETE AND REINFORCEMENT RESULTS FOR BEAMS OF SELF- COMPACTING CONCRETE (SCC) AND CONVENTIONAL CONCRETE FOR PERIOD T= 40 DAYS | 177 – 179 |
| 40. SIMULATING AND MITIGATING OF ROCKFALL HAZARDS IN AMSTETTEN DISTRICT, AUSTRIA | 180 – 184 |
| 41. EXPERIMENTAL INVESTIGATION OF THE HYDROGRAPH CHARACTERISTICS EFFECT ON THE FLOOD PROPAGATION DUE TO THE FAILURE OF THE DISTORTED PHYSICAL MODEL OF ÜRKMEZ DAM | 185 – 192 |
| 42. INVESTIGATION OF THE EFFECT OF SEISMOLOGICAL PARAMETERS ON THE RISK ESTIMATION OF CONVENTIONAL REINFORCED CONCRETE FRAME-WALL EARTHQUAKE RESISTANT BUILDING | 193 |
| 43. PHOTOCHEMICAL TREATMENT OF SLAUGHTERHOUSE WASTEWATER BY UV/H ₂ O ₂ WITH EFFLUENT RECYCLE A STATISTICAL EXPERIMENTAL DESIGN APPROACH | 194 – 198 |
| 44. INFLUENCE OF UPFLOW VELOCITY ON PERFORMANCE AND BIOFILM CHARACTERISTICS OF ANAEROBIC FLUIDIZED BED REACTOR (AFBR) IN TREATING HIGH-STRENGTH WASTEWATER | 199 |