## [Project / Seminar Topics on Petroleum Engineering with Materials](https://sparklyn.com.ng/petroleum-engineering-project-and-seminar-material#project_seminar_topics_on_petroleum_engineering-with-materials)

**Below is the list of available proposal topics on Petroleum Engineering that can be selected for proposal write-up submission.**

### [List of Available Proposal Topics on Petroleum Engineering](https://sparklyn.com.ng/petroleum-engineering-project-and-seminar-material#list_of_available_proposal_topics_on_petroleum_engineering)

[**Detailed Analysis of Pressure Drop in a Large Diameter Vertical Pipe**](https://sparklyn.com.ng/detailed-analysis-of-pressure-drop-in-a-large-diameter-vertical-pipe-2410-d)

[**Optimization of Strategies for Natural Gas Utilization**](https://sparklyn.com.ng/optimization-of-strategies-for-natural-gas-utilization-2392-d)

[**Empirical Correlation of Oil Effective Permeability as a Function of Pressure**](https://sparklyn.com.ng/empirical-correlation-of-oil-effective-permeability-as-a-function-of-pressure-2432-d)

[**Directional Drilling Hydraulics Optimization Using Conventional and Nanobased Drilling Fluids**](https://sparklyn.com.ng/directional-drilling-hydraulics-optimization-using-conventional-and-nanobased-drilling-fluids-2404-d)

[**Diagnostic Plots for Analysis of Water Production and Reservoir Performance**](https://sparklyn.com.ng/diagnostic-plots-for-analysis-of-water-production-and-reservoir-performance-2405-d)

[**Effect of Gas-Oil-Ratio on Oil Production**](https://sparklyn.com.ng/effect-of-gasoilratio-on-oil-production-2403-d)

[**Investigating the Behaviour of Air-Silicone Oil Flows in Vertical and Horizontal Pipes for Effective Gas-Liquid Transport**](https://sparklyn.com.ng/investigating-the-behaviour-of-airsilicone-oil-flows-in-vertical-and-horizontal-pipes-for-effective-gasliquid-transport-2395-d)

[**Development of Waste Based Biostimulant for the Remediation of Crude Oil Contaminated Soil**](https://sparklyn.com.ng/development-of-waste-based-biostimulant-for-the-remediation-of-crude-oil-contaminated-soil-2426-d)

[**Practical Approach to Effective Sand Prediction, Control and Management**](https://sparklyn.com.ng/practical-approach-to-effective-sand-prediction-control-and-management-2391-d)

[**Reduction of Oil Spillage Using Wood Plastic Composite From Saw Dust, White Sand and Low Density Polyethylene Waste**](https://sparklyn.com.ng/reduction-of-oil-spillage-using-wood-plastic-composite-from-saw-dust-white-sand-and-low-density-polyethylene-waste-2423-d)

[**Effects of Partial Completion on Productivity Index**](https://sparklyn.com.ng/effects-of-partial-completion-on-productivity-index-2402-d)

[**An Assessment of Gravel Packing Methods Used in the Petroleum Industry**](https://sparklyn.com.ng/an-assessment-of-gravel-packing-methods-used-in-the-petroleum-industry-2428-d)

[**Evaluation of In-Fill Well Placement and Optimization Using Experimental Design and Genetic Algorithm**](https://sparklyn.com.ng/evaluation-of-infill-well-placement-and-optimization-using-experimental-design-and-genetic-algorithm-2399-d)

[**Hydrodynamics Behaviour of Slug Flow in 800 Off the Horizontal Pipe Using Electrical Capacitance Tomography (ECT) Data**](https://sparklyn.com.ng/hydrodynamics-behaviour-of-slug-flow-in-800-off-the-horizontal-pipe-using-electrical-capacitance-tomography-ect-data-2398-d)

[**A Study of the Nigerian Petroleum Retail Market**](https://sparklyn.com.ng/a-study-of-the-nigerian-petroleum-retail-market-2433-d)

[**Development of Generalized Well Semi-Analytical Coning Models**](https://sparklyn.com.ng/development-of-generalized-well-semianalytical-coning-models-2406-d)

[**Enhanced Oil Recovery in High Viscous Reservoir Using the thermal Process**](https://sparklyn.com.ng/enhanced-oil-recovery-in-high-viscous-reservoir-using-the-thermal-process-2401-d)

[**Mathematical Model for Liquid Loading in Natural Gas Well Production**](https://sparklyn.com.ng/mathematical-model-for-liquid-loading-in-natural-gas-well-production-2435-d)

[**Natural Flow and Artificial Lift for a Solution Gas Drive Reservoir**](https://sparklyn.com.ng/natural-flow-and-artificial-lift-for-a-solution-gas-drive-reservoir-2413-d)

[**Pump Capacity Determination for Two-Phase Vertical Fluid Flow**](https://sparklyn.com.ng/pump-capacity-determination-for-twophase-vertical-fluid-flow-2431-d)

[**Estimation of Drilling Wastes - an Environmental Concern While Drilling Oil and Gas Wells**](https://sparklyn.com.ng/estimation-of-drilling-wastes--an-environmental-concern-while-drilling-oil-and-gas-wells-2400-d)

[**A Review of the Rheological Effects of Power Law Drilling Fluids on Cuttings Transportation in Non-Vertical Boreholes**](https://sparklyn.com.ng/a-review-of-the-rheological-effects-of-power-law-drilling-fluids-on-cuttings-transportation-in-nonvertical-boreholes-2419-d)

[**An Approach to Well Placement and Production in a Green Field**](https://sparklyn.com.ng/an-approach-to-well-placement-and-production-in-a-green-field-2418-d)

[**Quantification of Uncertainty and Risks for Developing Marginal Fields**](https://sparklyn.com.ng/quantification-of-uncertainty-and-risks-for-developing-marginal-fields-2388-d)

[**Pressure Transient Analysis Using Saphir**](https://sparklyn.com.ng/pressure-transient-analysis-using-saphir-2424-d)

[**Quantifying Incremental Oil Production and Economics of Using Intelligent Completion as a Tool for Reservoir Management**](https://sparklyn.com.ng/quantifying-incremental-oil-production-and-economics-of-using-intelligent-completion-as-a-tool-for-reservoir-management-2387-d)

[**Investigating Horizontal-Well Interference Test Applications**](https://sparklyn.com.ng/investigating-horizontalwell-interference-test-applications-2396-d)

[**Analysis of Void Fraction Phase Distribution of Gas-Liquid Flow in a Horizontal Pipe Using Wire Mesh Sensor Data**](https://sparklyn.com.ng/analysis-of-void-fraction-phase-distribution-of-gasliquid-flow-in-a-horizontal-pipe-using-wire-mesh-sensor-data-2416-d)

[**Effects of Petroleum Level (Waste Oil) on Soil Fertility in the Vicinity of a Mechanic Workshop**](https://sparklyn.com.ng/effects-of-petroleum-level-waste-oil-on-soil-fertility-in-the-vicinity-of-a-mechanic-workshop-2436-d)

[**Modeling and Simulation of Reservoir Formation Damage Due to Chemical Precipitation and Particulate Processes**](https://sparklyn.com.ng/modeling-and-simulation-of-reservoir-formation-damage-due-to-chemical-precipitation-and-particulate-processes-2393-d)

[**An Experimental Model to Predict and Control Oilfield Emulsion Tightness; a Novel Approach**](https://sparklyn.com.ng/an-experimental-model-to-predict-and-control-oilfield-emulsion-tightness-a-novel-approach-2417-d)

[**Statistical Characterization of Performance of Biopolymer Drill-In Fluid for Different Rheological Models**](https://sparklyn.com.ng/statistical-characterization-of-performance-of-biopolymer-drillin-fluid-for-different-rheological-models-408-d)

[**Natural Flow and Tubing String Design for a Water Drive Reservoir**](https://sparklyn.com.ng/natural-flow-and-tubing-string-design-for-a-water-drive-reservoir-2421-d)

[**Comparison of Overbalanced and Underbalanced Oil Drilling Techniques**](https://sparklyn.com.ng/comparative-study-between-overbalanced-and-underbalanced-oil-drilling-methods-2429-d)

[**Performance Evaluation of Solvents Blend for Silicone Defoamer**](https://sparklyn.com.ng/performance-evaluation-of-solvents-blend-for-silicone-defoamer-2425-d)

[**Estimation of Coefficient of Isothermal Oil Compressibility for Undersaturated Reservoir by Cubic Equation of State**](https://sparklyn.com.ng/estimation-of-coefficient-of-isothermal-oil-compressibility-for-undersaturated-reservoir-by-cubic-equation-of-state-2437-d)

[**Gas Lift Optimization of Oil Producing Wells Using Prosper Nodal Analysis**](https://sparklyn.com.ng/gas-lift-optimization-of-oil-producing-wells-using-prosper-nodal-analysis-2427-d)

[**Development of a Computer Program for Solids Control**](https://sparklyn.com.ng/development-of-a-computer-program-for-solids-control-2409-d)

[**Material Balance Application for Brownfield Development**](https://sparklyn.com.ng/material-balance-application-for-brownfield-development-2394-d)

[**A Review of Application of Pressure Derivative Concept to Multirate Tests**](https://sparklyn.com.ng/a-review-of-application-of-pressure-derivative-concept-to-multirate-tests-2420-d)

[**A-Three Dimensional Numerical Simulator for Expansion-Drive Reservoirs**](https://sparklyn.com.ng/athree-dimensional-numerical-simulator-for-expansiondrive-reservoirs-2414-d)

[**Deepwater Petroleum Exploration and Production in the Gulf of Guinea**](https://sparklyn.com.ng/deepwater-petroleum-exploration-and-production-in-the-gulf-of-guinea-2411-d)

[**The Use of Coconut Fibre as Standard pH Enhancer for Drilling Mud Formulation**](https://sparklyn.com.ng/the-use-of-coconut-fibre-as-standard-ph-enhancer-for-drilling-mud-formulation-2422-d)

[**Pressure Analysis of a Well with an Inclined Hydraulic Fracture in a Naturally Fractured Reservoir**](https://sparklyn.com.ng/pressure-analysis-of-a-well-with-an-inclined-hydraulic-fracture-in-a-naturally-fractured-reservoir-2389-d)

[**Local Content in the Oil and Gas Industry of Nigeria; Challenges, Prospects and the Way Forward**](https://sparklyn.com.ng/local-content-in-the-oil-and-gas-industry-of-nigeria-challenges-prospects-and-the-way-forward-2430-d)

[**Development of a Gas Condensate Reservoir**](https://sparklyn.com.ng/development-of-a-gas-condensate-reservoir-2408-d)

[**Implication of Void Prediction in the Determination of Pressure Gradient in Vertical Pipes**](https://sparklyn.com.ng/implication-of-void-prediction-in-the-determination-of-pressure-gradient-in-vertical-pipes-2397-d)

[**Development of Breakthrough Time Correlations for Coning in Bottom Water Supported Reservoirs**](https://sparklyn.com.ng/development-of-breakthrough-time-correlations-for-coning-in-bottom-water-supported-reservoirs-2407-d)

[**Comparative Analysis of Reserves Determination Techniques in Overpressured Gas Reservoirs**](https://sparklyn.com.ng/comparative-analysis-of-reserves-determination-techniques-in-overpressured-gas-reservoirs-2412-d)

[**Practical Approaches for Solving Lost Circulation Problems While Drilling**](https://sparklyn.com.ng/practical-approaches-for-solving-lost-circulation-problems-while-drilling-2390-d)

[**Application of Minimum Curvature Method to Wellpath Calculations**](https://sparklyn.com.ng/application-of-minimum-curvature-method-to-wellpath-calculations-2415-d)

[**Determinant of Oil Spillage and Its Effect on the Coastal Communities in Mbo Local Government Area, Akwa Ibom State**](https://sparklyn.com.ng/determinant-of-oil-spillage-and-its-effe-24576-d)

[**Analytical Study of a Small Scale Biomass Gasifier**](https://sparklyn.com.ng/analytical-study-of-a-small-scale-biomass-gasifier-2434-d)

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