

October 13-14, 2023

Ankara, Türkiye

6. INTERNATIONAL ANKARA MULTIDISCIPLINARY STUDIES CONGRESS

PROCEEDINGS BOOK



**EDITED BY
DR. NURLAN AKHMETOV**

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*October 13-14, 2023
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*Edited by
Dr. Nurlan AKHMETOV*

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6. INTERNATIONAL ANKARA MULTIDISCIPLINARY STUDIES CONGRESS

DATE-PLACE

October 13-14, 2023

Ankara, Türkiye

EDITOR

Dr. Nurlan AKHMETOV

EVALUATION PROCESS

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PARTICIPANT COUNTRIES (31):

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VI. INTERNATIONAL ANKARA MULTIDISCIPLINARY STUDIES CONGRESS

October 13-14, 2023

Ankara, Türkiye

CONGRESS PROGRAM



Meeting ID: 859 7119 7642

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Session-1, Hall-1

13.10.2023

Moderator: Assist. Prof. Dr. H. Hale AYGÜN

Meeting ID: 859 7119 7642 / Passcode: 131313

Ankara Local Time: 09:00 – 11:00

Title	Author(s)	Affiliation
DETERMINATION OF THE NUMBER OF CUTS BY FINITE ELEMENT METHOD FOR CUTTING TOOL USED IN FABRIC CUTTING	Öznur BAĞ Lezgin KAYA	Serkon Tekstil Makina ve Ekipmanları Sanayi ve Ticaret Anonim Şirketi, İstanbul, Türkiye. Gaziosmanpaşa University, Tokat, Türkiye.
INVESTIGATING THE IMPACT OF TWIST COEFFICIENT VARIATION ON THE STRENGTH OF LYOCELL YARN	Merve Küçükali Öztürk	Istanbul Bilgi University, İstanbul, Türkiye.
AN INVESTIGATION INTO THE PERFORMANCE OF DIFFERENT FROTHERS IN THE FLOTATION OF YOZGAT/SORGUN LIGNITE COAL	Özlem KAYA Şaban ÖZÜTÜRKER	Sivas Cumhuriyet University, Sivas, Türkiye
REMOVAL OF REACTIVE ORANGE-122 DYE FROM WASTEWATER USING YAP POLYMER	Ilgın Yaren GÜVEN Petek BALCI Ali KARA	Bursa Uludağ University, Bursa, Türkiye
REACTIVE YELLOW 186 DYESTATE IN EAP POLYMER ADSORPTION	Ecenur KURTULAN Petek BALCI Ali KARA	Bursa Uludağ University, Bursa, Türkiye
MANUFACTURING OF PS/PVC/Bi ₂ O ₃ SURFACES: A COMPARATIVE STUDY ON SOLVENT CASTING AND ELECTROSPINNING METHODS	H. Hale AYGÜN	Kahramanmaraş Sütçü İmam University, Kahramanmaraş, Türkiye
EFFECT OF SILVER NANOPARTICLES OBTAINED BY BACTERIAL GREEN SYNTHESIS ON THE REMOVAL OF METHYLENE BLUE DYE	Sema YİYİT DOĞAN Seçil KAYA Eray YİĞİT	Gazi University, Ankara, Türkiye.
SYNTHESIS AND SWELLING STUDIES OF CARBOXYMETHYL CELLULOSE-SODIUM ALGINATE- <i>A.sativa</i> BASED HYDROGELS OPTIMIZED BY BOX-BEHNKEN RESPONSE SURFACE METHODOLOGY	Seçil KAYA Ebru KONDOLOT SOLAK Sema YIYIT DOGAN Berkan BARDAKÇI	Gazi University, Ankara, Türkiye.
SYTHESIS OF POLYDIALLYLDIMETHYLAMMONIUM CHLORIDE (POLYDADMAC) AND INVESTIGATION OF ITS PERFORMANCE IN TEXTILE WASTEWATER TREATMENT	Gamze ŞENGÜL ÖZER Ömer Yunus GÜMÜŞ	Bursa Teknik University, Bursa, Türkiye.

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Every presentation should last not longer than 10-12 minutes.

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Session-4, Hall-5

13.10.2023

Moderator: Dr. Ivan Pavlovic

Meeting ID: 859 7119 7642 / Passcode: 131313

Ankara Local Time: 16:30 – 18:30

Title	Author(s)	Affiliation
COCCIDIOSIS OF SHEEP IN SOUT PART OF SERBIA	Ivan Pavlovic Violeta Caro-Petrovic Aleksandra Tasic Marija Pavlovic	Scientific Institute of Veterinarz Medicine of Serbia Institute for Animal Husbandry, Belgrade-Zemun,Serbia
REVOLUTIONARY THERAPEUTIC APPROACHES IN ERADICATING PARASITES THROUGH NANOTECHNOLOGY	Mehroz Latif, Muhammad Adnan Sabir Mughal, Haseeb Ashraf, Muhammad Numair Ahmad, Irtaza Hussain	Bahauddin Zakariya University, Multan, Pakistan University of Agriculture, Faisalabad, Pakistan
MOLECULAR EPIDEMIOLOGY OF LEISHMANIA SPECIES IN CAMELS OF SELECTED DISTRICTS OF BALOCHISTAN	Muhammad Adnan Sabir Mughal, Muhammad Kasib Khan, Ammara Shad, Mehroz Latif, Abdullah Azeem, Zohaib Saeed	University of Agriculture, Faisalabad, Pakistan Bahauddin Zakariyya University, Multan, Pakistan
SENSOR-BASED APPLICATIONS IN ASSESSING HEAT STRESS RESPONSE IN GRAZING ANIMALS	Deepika, A., Yamini, S., Abarna, R., Kalaignazhal, G., Silpa, M.V., Sejian, V	Rajiv Gandhi Institute of Veterinary Education and Research, India Institute of Animal Breeding and Genetics, Germany
ADVANCED NON-INVASIVE METHODS TO QUANTIFY HEAT STRESS RESPONSE IN FARM ANIMALS	Yamini, S., Deepika, A., Abarna, R., Kalaignazhal, G., Silpa, M.V., Sejian, V.	Rajiv Gandhi Institute of Veterinary Education and Research, India Institute of Animal Breeding and Genetics, Germany
MODELLING PUNDING AND DOPAMINE DYSREGULATION SYNDROME IN PARKINSONISM ANIMAL MODEL	Dr. Esra Ozkan	Edinburgh University, UK Dementia Research Institute

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Session-4, Hall-6

13.10.2023

Moderator: Rehman Khan

Meeting ID: 859 7119 7642 / Passcode: 131313

Ankara Local Time: 16:30 – 18:30

Title	Author(s)	Affiliation
A CRITICAL EXPLORATION OF THE FORMS OF VIOLENT PROTESTS IN LAGOS, NIGERIA	Abdulmalik Abdulwoli, Calistus Ayegba	Federal University of Technology, Minna
SYNTHESIS OF PURE GISMONDINE-NAP ZEOLITE FROM BENTONITE FRACTION >2 µM	Rafik Abdelkrim Boudia, Mehdi Adjdir, Miloud Mohamed Mazari	University Oran1 Ahmed Ben Bella, Algeria University of Saida Dr. Tahar Moulay, Algeria
ADVANCED COATING METHODS: TITANIUM CARBIDE DEPOSITION ON STEEL VIA INDIRECT PROCESSES	Baali Selma, Benarioua Younes	Med Boudiaf University, Algeria University of M'sila, M'sila 28000, Algeria
THE REVIEW OF INFRASTRUCTURE REQUIREMENTS FOR ELECTRIC AUTOMOTIVE	MOHAMMED ALAA ALWAFIAE BELA KOVACS	The University of Miskolc, Hungary
APPLICATION OF A NEW APPROACH TO ASSESSING THE PERFORMANCE OF A COMPLEX TECHNICAL SYSTEM	Alexandrov V.S.	Kazan National Research Technical University named after A.N. Tupolev
HAND GESTURE-CONTROLLED ELECTRONIC CAR	Rehman Khan Khawar shafique Mubashir Asif Abbas Ahmad	University of Engineering and Technology, Pakistan
ADVANCING PATIENT CARE WITH THE INTRAVENOUS DRIP CONTROLLER	Tharani.R, Sowmiya.S, Vinodha.A, Haritha.V, Sri Siva Kavya.R, Akshaya.S	R.M.K Engineering college, Kavaraipettai-601206, India
KINETIC MODELLING OF POWDER-PACK BORONIZED 4CR5MOSIV1 STEEL BY THE DIMENSIONAL ANALYSIS	Katia Benyakoub, Mourad Keddam, Brahim Boumaali, Michał Kulka	Université des sciences et de la technologie Hourii Boumediene, Algeria Institute of Materials Science and Engineering, Poznan University of Technology, Poland
SIMULATION AND COMPARISON OF P&O AND INC MPPT CONTROL FOR SMALL WIND PMSG TURBINE SYSTEMS	Ahmed Marouane Ghodbane, Mohamed Chebaani, Ghilani abd elmoumen, Benchouia Med Toufik	Biskra University, Algeria.

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Session-4, Hall-7

13.10.2023

Moderator: Dr. Alketa Caushi

Meeting ID: 859 7119 7642 / Passcode: 131313

Ankara Local Time: 16:30 – 18:30

Title	Author(s)	Affiliation
CONTEMPORARY AND TRADITIONAL METHODS AND TECHNIQUES THEIR ROLE FOR EFFECTIVE LEARNING IN THE LOWER CYCLE	Dr. Alketa Caushi Mcs Reinaldo Gjerazi	Sports University of Tirana
GREEN LOGISTICS ACTIVITIES' INFLUENCE ON CONSUMER BUYING DECISIONS: EVIDENCE FROM CROATIA	Ivana Tonković Pražić Kristina Devčić Ivana Crnković	Polytechnic Nikola Tesla in Gospić Croatia
PORTRAYAL OF MALE IMPOTENCE AND STERILITY IN SELECTED NIGERIAN CONTEMPORARY FEMALE NOVELS: A WOMANIST PERSPECTIVE	Dr. Akinola Monday ALLAGBE Dr. (MA) Ayodele Adebayo ALLAGBE Dr. (MA)Théophile HOUNDJO	Université d'Abomey-Calavi (UAC), République du Benin Université André Salifou (UAS) de Zinder, République du Niger Université d'Abomey-Calavi (UAC), République du Benin
RELATIONSHIP BETWEEN LINGUISTICS AND LITERATURE: A NEW CONFIGURATION	LAMAAZI Fatima Zohra ABOUTARIK ABDELMAJID	Ibn Zohr University, Morocco
THE FOREIGN LANGUAGE TEACHER AND CULTURAL DIVERSITY	BELABBES Nour El Houda AIT OMAR Brahim	Ibn Zohr University, Morocco
SELF -CONCEPT, MISTRUST AND ANTI-SOCIAL BEHAVIOR IN WORKPLACE INDIVIDUALS: A CORRELATIONAL STUDY	Adeena Zakir, Aiman Shahzad	University of Management and Technology, Lahore
A REVIEW ON JERUSALEM ARTICHOKE	Punithavalli , Vijitha, Rufina Delphine	
EXPRESSION OF MENTAL RESILIENCE AMONG WRESTLERS OF YOUTH AND JUNIOR AGE	Ignas Kriksciunas Romualdas Malinauskas	Lithuanian Sports University, Kaunas, Lithuania
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**A CRITICAL EXPLORATION OF THE FORMS OF VIOLENT PROTESTS IN LAGOS,
NIGERIA**

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ABSTRACT

As a recurring phenomenon, mass violent protests exert substantial influence on the construction industry and its ability to deliver projects effectively. Such protests, characterized by rioting, looting, and civil unrest, not only disrupt construction activities but also pose significant safety risks to workers and project assets. Project delays escalated costs, and heightened security measures can profoundly impact the industry's project delivery timelines and overall performance. This quantitative study delves into the landscape of violent protests in Lagos, Nigeria, explicitly identifying the various forms of these protests and understanding their frequency of occurrence and significance. Through a five-Likert scale questionnaire, participants ranked the intensity of different protests, revealing that Lagos experiences a wide array of protests. While some protests are more severe than others, the study findings highlight that strikes (mean = 4.42; Sig = 0.000*; K-W = 0.182) and resistance (mean = 4.48; Sig = 0.000*; K-W = 0.094) are relatively common and significant, though less frequent than riots (mean = 4.55; Sig = 0.000*; K-W = 0.185) and rebellions (mean = 4.51; Sig = 0.000*; 0.634). Furthermore, the respondents have closely related opinions on the form of protests ravaging Lagos. The outcomes of this study closely align with existing literature, underscoring the high frequency of violent and non-violent protests in Lagos. These findings bear significant practical implications, particularly for the construction industry, where these protests can lead to project delays, increased costs, and safety concerns. Recognizing the diversity of protest forms and their significance is crucial for stakeholders to develop effective strategies to manage and mitigate their impact on regional construction projects.

Keywords: Construction industry, Lagos, Nigeria, Protest, Violence

Introduction

A protest also referred to as a demonstration, remonstrance, or remonstrance, represents a form of expressing objection, opposition, disapproval, or dissent against a specific idea or action, often when one lacks the power to prevent or avoid it (Tegally et al., 2020). Protests can be seen as collaborative acts wherein many individuals participate, sharing the costs and risks (Lazarus et al., 2021). Ranging from individual speeches to large-scale marches, protests manifest in various forms. Protesters may either orchestrate a protest to publicly voice their opinions to influence public sentiment or governmental policies or opt for direct actions to bring about desired changes (Street & Hill, 2007). The available literature underscores that the megacity witnesses numerous activities daily (Kaklauskas & Gudauskas, 2016).

Among these activities lie the construction of buildings and public infrastructure (McClure et al., 2007). Demonstrators seize opportunities to inflict damage on streets, bridges, parks, shopping complexes, and freeways (Cao et al., 2022). Demonstrators may orchestrate protests to publicly express their views, to influence public sentiment or government policies, or they may opt for direct actions to bring about desired changes themselves (Street & Hill, 2007). Consequently, protests are integral to organized campaigns, whether violent or non-violent, driven by specific objectives (Adam & de Savigny, 2012). Several studies have explored the impact of violence on the performance of construction workers (Truesdale & Brown, 2017), with many of these studies centring on violence originating within construction sites. Likewise, specific authors have investigated the underlying causes of protests in various settings, focusing on megacities like Lagos (Shoemaker et al., 2020).

At times, protests manifest on a small scale as peaceful sit-ins (Betts et al., 2017), while on other occasions, they escalate into massive marches that can persist over an extended period, potentially resulting in damage to public infrastructure and disruptions to activities within a given environment (Akinwumiju et al., 2021). Nigeria has a history of experiencing various forms of protests and agitations (Akinwumiju et al., 2021), which have, in some instances, catalyzed substantial changes within the nation's system, caused delays in environmental initiatives, or tarnished the country's reputation due to the depletion of scarce resources (Akinwumiju et al., 2021). Consequently, this study examines the diverse manifestations of violent protests in Lagos, Nigeria.

Review of related literature

A protest constitutes a revolutionary social movement characterized by the expression or declaration of objection, disapproval, or dissent, typically directed against circumstances or actions that individuals cannot prevent or evade (Akintola, 2010). It signifies the articulation of grievances with the implicit opposition to specific causes, serving as a typical means through which citizens engage in political processes. This phenomenon poses an enduring challenge for political leaders. It can potentially be a source of countervailing power, particularly for the most vulnerable members of society.

Protests in Nigeria have a centuries-old history, often serving as a deliberate and non-violent method to pursue specific objectives, employing pressure and persuasion. These actions are more accurately characterized as civil or non-violent resistance instances (Currie et al., 2009). Various factors, such as government policies (e.g., protest permit requirements), economic conditions, religious conventions, societal institutions, or media monopolies, can constrain diverse self-expression and dissent. An act of protest encompasses the following elements:

- i. The action expresses a grievance, a conviction of wrongdoing or an injustice;
- ii. The protestors are unable to correct the condition directly by their efforts;
- iii. The action is intended to draw attention to the grievances;
- iv. The action is further meant to provoke ameliorative steps by some target groups;
- v. The protestors depend upon sympathy and fear to motivate the target group on their behalf (Akintola, 2010).

The available literature highlights that protests, particularly in developing nations like Nigeria, can be categorized into two distinct types: violent and non-violent protests (Betts et al., 2017). Violent protests, further subcategorized as violent and non-violent, encompass actions involving violence, destruction, or intimidation to instigate change, which may include flag burning, riots, looting, and vandalism (Malik et al., 2018). It is worth noting that violent protests can originate as non-violent demonstrations but may escalate into violent events fueled by mounting frustration. Betts (2017) provides additional classification within violent protests, including Flag Burning Violent Protests, Riots, Looting, Vandalism Protests, and Bombing Protests. In contrast, non-violent protests constitute a practice wherein objectives, such as effecting social change, are pursued through civil disobedience, refraining from using violence or the threat thereof (Nicholasen, 2019).

In peaceful protests, individuals or groups collaborate to effect change through non-violent means, encompassing actions like sit-in demonstrations, where protesters sit in a designated area to express their objection to a specific action; marches and rallies, where a collective of people assemble, often bearing signs, posters, and informational materials about their cause; the creation of posters and banners by protesters to voice their opposition to a particular action or advocate for a specific cause; and hunger strikes, in which protesters fast for a defined period to exert pressure for change on a particular issue or cause (Irschara et al., 2009). Ratliff and Hall (2014) have categorized protest activities into six overarching domains, including literal, symbolic, aesthetic, and sensory expressions; movement within physical space; ceremonies and sacred rituals; acts of civil disobedience; institutional and conventional forms of protest; and collective acts of violence or threats.

Recent Trends of Protests Experienced in Nigeria

Occupy Nigeria Protest of 2012

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The Occupy Nigeria protest emerged due to the sudden escalation of Nigeria's premium motor spirit (PMS) price, surging from N65 to 140. This development occurred concurrently with the Arab Spring and the subsequent global Occupy movements. The pervasive influence of social media played a pivotal role in drawing international media attention to Nigeria. Consequently, it was unsurprising that this protest was initially perceived as an extension of the global wave of demonstrations against governmental overreach, initially sparked during the Arab Spring.



Plate 1: A Crowd holding a banner that reads "Nigeria rally against corruption" during a protest in Lagos (Willems *et al.*, 2012)

The End SARS Protests of 2020

The ENDSARS protest initially emerged as an appeal for the dissolution of Nigeria's Special Anti-Robbery Squad (SARS), a division of the Nigerian Police Force notorious for its harsh treatment of civilians and disregard for human rights. The movement commenced as a demand for the complete disbandment of this particular unit within the Nigerian police, widely recognized for its history of brutality and human rights violations. The #EndSars campaign originated in approximately 2018, gaining traction due to allegations of violence and exploitation targeting young people by SARS officers. It was not until around October 2020 that the situation escalated, prompted by reports of an unjustified shooting involving a youth and SARS operatives in Delta State, Nigeria. Social media platforms, particularly Twitter, played a significant role in disseminating this information. Consequently, these events triggered widespread protests across various country regions, resulting in substantial property damage valued in billions and tragic loss of lives (Uwazuruike, 2020).



Plate 2: The famous 2020 End SARS protest across Nigeria (Smith *et al.*, 2020)

Methodology

This study employed a quantitative research design to comprehensively investigate the intricate forms of violent protests and their repercussions on the construction industry in Lagos, Nigeria, following the completion of data collection and analysis. The research utilized a cross-sectional survey approach, enabling valuable data collection from a diverse group of construction professionals in Lagos, allowing for a multifaceted examination of their experiences and perceptions (Johnson & Christensen, 2000).

A purposive sampling method was chosen for the sampling technique, aligning with the research's focus on participants with specific knowledge and experience relevant to the research topic. Construction professionals in Lagos were the primary targets of the study, given their direct involvement and probable encounters with violent protests within the construction industry. The sample size comprised 154 participants, thoughtfully selected to ensure diversity and representation across various roles within the construction sector (Guest et al., 2013).

Data collection was facilitated using a 5-Likert scale questionnaire as the primary instrument. This instrument, comprising a series of statements related to violent protests and their influence on the construction industry in Lagos, enabled participants to rate their level of agreement or disagreement on a five-point Likert scale, ranging from "Strongly Disagree" to "Strongly Agree". This approach allowed for the systematic collection of quantitative data, which could be statistically analyzed to derive meaningful conclusions and insights (De Vaus, 2013).

The unit of analysis for this study was construction professionals in Lagos, Nigeria, encompassing various roles within the construction industry, including Civil engineers, Builders, Architects, Quantity Surveyors, and Structural engineers. This focus was selected to delve into their collective experiences, perceptions, and opinions regarding violent protests and their implications for the construction sector in Lagos, Nigeria (Bryman, 2016).

During the study, relevant literature was consulted for guidance on employing the purposive sampling technique and Likert scale questionnaires (Creswell & Creswell, 2017). These sources provided invaluable insights into the design and implementation of the research methodology, contributing to the robustness and credibility of the study's findings.

Discussion of Results

Demographics of the respondents

A questionnaire of five sections, each employing Likert scales, was administered to 197 respondents. During the data collection phase, 154 completed questionnaires were collected, reflecting a response rate of 78.17%, which is considered adequate for our research. Notably, the respondents exhibited diverse academic and professional qualifications, as outlined in Table 1, indicating their suitability to provide informed responses to the questionnaire. Analyzing their academic qualifications, we find that 23.4% held a Higher National Diploma (HND), 34.0% possessed a National Diploma, 26.9% held a Bachelor's degree, and 15.7% held a Master's degree. Regarding their professional backgrounds, 23.4% identified as architects, 24.4% as builders, 24.9% as civil engineers, 4.57% as structural engineers, and 22.8% as quantity surveyors. Furthermore, examining their years of experience, 7.61% reported having 10-15 years of construction experience, 14.2% had 15-20 years, 50.2% boasted 20-25 years, and the remaining 27.9% possessed 25 years or more of experience in the field.

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Table 1: Demographic Information of the Participant

Participants characteristics	Frequency	Percentage (%)	Respondents	No of questionnaires distributed	No of questionnaires returned and analyzed
Educational background					
MSc	31	15.7	Civil engineers	49	39
BSc	53	26.9			
HND	46	23.4			
ND	67	34.0			
Participants occupation					
Civil engineers	49	24.9	Architects	46	31
Builders	48	24.4			
Architects	46	23.4			
Quantity Surveyors	45	22.8			
Structural engineers	9	4.57			
Working experience (years)					
10-15	15	7.61	Structural engineers	9	9
15-20	28	14.2			
20-25	99	50.2			
25 and above	55	27.9			
			TOTAL	197	154

Forms of Violence Protests in Lagos, Nigeria

Table 2 comprehensively examines various types of violent protests in the context of the construction industry in Lagos, Nigeria. Riot, Rebellion, Resistant, and Strike are assessed based on their frequency of occurrence, mean importance scores (MIS), ranks, significance levels, and Kruskal Wallis test

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statistics. Riot, with a SD value of 0.913, is reported as occurring frequently, and it holds the highest mean importance score (MIS) at 4.55, signifying that respondents consider Riot to be paramount. It is ranked first, indicating that it is perceived as the most significant type of violent protest among construction professionals in Lagos. Rebellion follows closely with a SD of 0.813 and an MIS of 4.51, making it the second most crucial protest type. Resistant, with a SD of 1.267 and an MIS of 4.48, is ranked third, and Strike, with a SD of 0.911 and an MIS of 4.42, is ranked fourth. All these important variations are statistically significant, with p-values below 0.001, highlighting significant differences in participants' perceptions of these protests. These findings underscore the varying degrees of concern and attention allocated to different forms of violent protests within the construction industry in Lagos, offering valuable insights into the dynamics and potential challenges associated with each protest type. The Kruskal-Wallis (K-W) test results indicated that the p-values for all the types of violent protests, namely Riot, Rebellion, Resistant, and Strike, were higher than the threshold of 0.005. This suggests that there is no statistically significant difference in the mean importance scores (MIS) of these protest types among the construction professionals in Lagos, Nigeria, who participated in the study.

Table 2: Forms of Violence Protests

Frequency of occurrence of each violent protest	SD	MIS	RANK	Significant	Kruskal Wallis
Riot	0.913	4.55	1 th	0.000*	0.185
Rebellion	0.813	4.51	2 th	0.000*	0.634
Resistant	1.267	4.48	3 th	0.000*	0.094
Strike	0.911	4.42	4 th	0.000*	0.182

This finding implies that the participants perceive these different types of protests as equally important in the context of the construction industry in Lagos or that the sample size and data collected may not have been sufficient to detect meaningful distinctions in their perceived importance. These results have several important implications for understanding the dynamics of violent protests within the Lagos construction industry. Firstly, the high frequency of Riot and its top-ranking mean importance score highlight its prominent role in the concerns of construction professionals. This could suggest that the sudden and chaotic nature of riots, often involving large crowds and potential property damage, significantly disrupts construction activities and safety, making it a top priority for professionals in this industry. Secondly, Rebellion, despite having a slightly lower frequency than Riot, also garners substantial importance. This indicates that participants recognize the potential for organized and more sustained acts of protest, such as rebellions, to impact construction projects and overall industry stability significantly. Thirdly, the lower frequency of Resistant protests might reflect a different nature of challenges faced by construction professionals, such as resistance from local communities or labour disputes, which, although less frequent, can still be disruptive. Lastly, Strike, though ranked fourth, is still considered necessary, suggesting that labour strikes in the construction sector are not to be underestimated in their potential to halt or delay projects. In summary, these findings offer valuable insights into construction professionals' nuanced perceptions and concerns regarding different types of violent protests, which can inform strategies for risk management and conflict resolution within the industry.

Conclusion

This study serves as a stepping stone for understanding the perceptions of violent protests within the Lagos construction industry. It underscores the significance of Riot, Rebellion, Resistant, and Strike protests while pointing to the need for multifaceted approaches to address their implications. The findings shed valuable light on the perspectives of construction professionals operating in a challenging and dynamic environment. Riot emerged as the most frequently occurring and highly regarded type of

protest, indicating its prominence as a concern among industry stakeholders. Rebellion, resistance, and Strike protests followed, each with unique characteristics and implications for the construction sector. The Kruskal-Wallis test, while not revealing statistically significant differences in the significance level between the protest types, highlights the nuanced nature of these perceptions. Several avenues for future research and action emerge from this study.

Firstly, a deeper exploration of the underlying factors contributing to the perceived importance of these protest types is warranted. Qualitative research methods, such as interviews and focus groups, could unveil the intricacies of these perceptions and provide a more nuanced understanding—moreover, the impact of violent protests on project timelines, costs, and safety merits further investigation. A quantitative analysis of different protest types' economic and safety implications would provide valuable insights for risk management and project planning within the construction industry. Consequently, examining the effectiveness of conflict resolution strategies and preventative measures in mitigating the disruptions caused by violent protests is essential. Identifying best practices and areas for improvement in conflict resolution and stakeholder engagement can enhance the resilience of the construction industry in the face of such challenges.

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