

Impact of Inflation and Interest Rate Volatility on Corporate Strategy: A Secondary Evidence Synthesis Using Mixed-Methods Integration

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How to cite this paper: Iyer, S. S., & Raji, B. (2026). Impact of Inflation and Interest Rate Volatility on Corporate Strategy: A Secondary Evidence Synthesis Using Mixed-Methods Integration. *Voice of the Publisher*, 12, 601-627.

<https://doi.org/10.4236/vp.2026.124034>

Received: May 12, 2026

Accepted: October 10, 2026

Published: October 13, 2026

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Abstract

This paper presents a systematic secondary evidence synthesis investigating the multifaceted impact of inflation and interest rate volatility on corporate strategic decision-making through a mixed-methods integration approach. We synthesize recent empirical evidence from published studies spanning the 2018-2026 period, with primary focus on the 2022-2026 monetary tightening cycle, integrating findings from quantitative econometric analyses with insights from qualitative case studies and executive interview reports. Our quantitative strand synthesizes results from panel regression studies employing GARCH-based volatility measures, examining heterogeneous effects across firm size, leverage, and sectoral characteristics reported in the literature. The qualitative strand synthesizes published case studies and executive interview reports to uncover strategic responses including real options-based investment staging, dynamic hedging programs, and pricing power exploitation. Synthesized findings reveal that interest rate volatility significantly reduces capital expenditures among young and highly leveraged firms, while inflation exhibits context-dependent effects on profitability and investment timing. We develop an integrated conceptual model synthesizing real options theory, monetary transmission mechanisms, and agency theory to explain observed strategic adaptations documented across the empirical literature. This secondary synthesis contributes to corporate finance literature by systematically integrating diverse empirical evidence on macroeconomic-strategy linkages, offering actionable insights for executives navigating volatile economic environments, and identifying critical boundary conditions under which inflation and interest rate shocks differentially affect strategic choices across heterogeneous

firm populations.

Keywords

Inflation Volatility, Interest Rate Uncertainty, Corporate Strategy, Mixed Methodology, Real Options Theory, Monetary Transmission Mechanism, Capital Structure Decisions, Investment Timing

1. Introduction

The contemporary global economic landscape has witnessed unprecedented volatility in inflation rates and interest rate regimes, fundamentally challenging established corporate strategic frameworks. Since 2022, central banks worldwide have implemented aggressive monetary tightening cycles in response to multi-decade high inflation levels, creating a complex environment where firms must simultaneously navigate rising borrowing costs, demand uncertainty, and supply chain disruptions (Jhunjhunwala, 2024; Carayannis et al., 2025). This macroeconomic turbulence has profound implications for corporate strategy, affecting capital allocation decisions, financing structures, pricing mechanisms, and risk management practices. Understanding how firms adapt their strategic postures in response to inflation and interest rate volatility represents a critical research imperative with significant theoretical and practical implications. Traditional corporate finance theory posits that macroeconomic conditions influence firm value through discount rate adjustments and cash flow expectations. However, recent empirical evidence suggests more nuanced, heterogeneous effects that vary systematically across firm characteristics, industry sectors, and institutional contexts (İlbasmiş, 2025; Murape & Mpofu, 2025; Rumasukun, 2024). The relationship between inflation, interest rates, and corporate strategy is neither linear nor uniform; rather, it is mediated by firm-specific capabilities, market structures, and institutional environments. A growing body of empirical research across diverse national and sectoral contexts has documented these complex relationships, yet these findings remain fragmented across disciplines and methodological traditions (Aldawsari, 2024; Mohammed Kamaruddeen, 2025; Lee & Jeong, 2024).

This paper addresses this fragmentation by conducting a systematic secondary evidence synthesis that integrates quantitative and qualitative empirical findings from multiple published studies. Unlike traditional literature reviews, our approach employs explicit synthesis methods to systematically extract, code, and integrate findings from independently conducted empirical investigations spanning different countries, sectors, time periods, and methodological designs. The synthesis focuses primarily on evidence from the 2022-2026 monetary policy tightening period, while incorporating relevant studies from 2018 onward to capture pre-pandemic baseline conditions and pandemic-era disruptions that contextualize recent strategic adaptations.

2. Theoretical Framework

The relationship between macroeconomic volatility and corporate strategy can be understood through several complementary theoretical lenses. This section develops an integrated conceptual framework that synthesizes insights from real options theory, monetary transmission mechanisms, and agency perspectives.

2.1. Real Options Theory and Investment under Uncertainty

Real options theory provides a powerful framework for understanding corporate investment decisions under uncertainty. Unlike traditional net present value (NPV) approaches that treat investment decisions as now-or-never propositions, real options theory recognizes that firms possess valuable flexibility to delay, stage, expand, or abandon investment projects in response to new information (Sofian, 2025; Duan, 2025). When uncertainty increases—whether from inflation volatility, interest rate fluctuations, or demand shocks—the value of waiting for additional information rises, creating an option premium that must be overcome before investment proceeds.

The implications for corporate strategy are profound. Higher macroeconomic volatility increases the threshold return required to trigger investment, leading to delayed capital expenditures even when expected returns remain positive (Al-dawsari, 2024; Duan, 2025). This effect is particularly pronounced for irreversible investments with high sunk costs, such as manufacturing capacity expansion or R&D programs (Sofian, 2025). Conversely, firms with modular, scalable investment opportunities may maintain investment levels by staging commitments into smaller, reversible increments.

2.2. Monetary Transmission Mechanisms

Central bank policy rates influence corporate behavior through multiple transmission channels (Jhunjunwala, 2024; Montes & Díaz, 2022). The interest rate channel directly affects borrowing costs, making debt-financed investments more expensive when rates rise (Jhunjunwala, 2024). The balance sheet channel operates through firm net worth: rising rates reduce asset values and collateral capacity, tightening financial constraints especially for leveraged firms. The expectations channel shapes forward-looking investment decisions through anticipated future policy paths and inflation trajectories.

Inflation affects corporate strategy through distinct mechanisms. Demand-side effects arise when inflation erodes real purchasing power, reducing consumer demand and profit margins (Carayannis et al., 2025; İlbasmış, 2025). “Cost-push effects” occur when input price inflation squeezes margins, forcing firms to choose between absorbing costs (reducing profitability) or passing through prices (risking volume loss). “Nominal contracting effects” create strategic opportunities and risks: firms with pricing power can exploit inflation through strategic repricing, while those locked into nominal contracts face margin compression.

2.3. Agency Theory and Financial Constraints

Agency theory highlights how macroeconomic volatility interacts with information asymmetries and conflicts of interest between managers, shareholders, and creditors. During periods of high uncertainty, external financing becomes more costly as information asymmetries intensify (Mohammed Kamaruddeen, 2025; Aldawsari, 2024). Creditors demand higher risk premiums, and equity investors require greater compensation for bearing increased volatility. These effects are most severe for young firms, small firms, and those with limited tangible collateral (Rumasukun, 2024; Natser, 2025).

Managerial incentives also shape strategic responses. Short-term performance pressures may lead managers to cut valuable long-term investments to maintain near-term earnings, even when such cuts destroy shareholder value. Conversely, entrenched managers may pursue empire-building investments despite elevated uncertainty, exploiting information advantages over dispersed shareholders (Montes & Díaz, 2022).

2.4. Integrated Conceptual Model

We synthesize these theoretical perspectives into an integrated framework positing that corporate strategic responses to inflation and interest rate volatility are jointly determined by:

Option value of waiting (real options theory): Higher volatility increases the value of delaying irreversible commitments.

Financial constraint intensity (monetary transmission + agency theory): Tighter financial conditions disproportionately constrain investment among leveraged, young, and informationally opaque firms.

Strategic flexibility (real options + organizational capabilities): Firms with modular technologies, diversified portfolios, and dynamic capabilities can maintain strategic momentum through staging and hedging.

Market power and pricing flexibility (industrial organization): Firms with strong competitive positions can exploit inflation through strategic repricing, while competitive firms face margin compression.

This framework generates testable predictions regarding heterogeneous effects across firm characteristics and provides interpretive structure for synthesizing diverse empirical findings.

2.5. Research Questions

Building on this integrated theoretical framework, this secondary evidence synthesis addresses the following research questions:

RQ1: How do inflation volatility and interest rate uncertainty affect corporate capital expenditure and investment timing decisions across different firm types and sectors?

RQ2: What are the differential impacts of macroeconomic volatility on financing strategies, capital structure decisions, and financial constraints across hetero-

geneous firm populations?

RQ3: What strategic responses (pricing strategies, hedging programs, operational adjustments, real options-based staging) do firms employ to navigate inflation and interest rate volatility, and how do these vary by firm characteristics and market power?

RQ4: How do monetary policy credibility, institutional context, and expectation formation mechanisms moderate the relationship between macroeconomic volatility and corporate strategic choices?

These research questions directly map to the empirical synthesis presented in Sections 5 (quantitative findings addressing RQ1-RQ2), 6 (qualitative findings addressing RQ3), and 7 (integrated discussion addressing RQ4).

3. Literature Review

The relationship between macroeconomic conditions and corporate strategy has been examined across multiple research streams, yet significant gaps remain in our understanding of how firms navigate simultaneous inflation and interest rate volatility.

3.1. Inflation and Corporate Performance

Early research established that inflation affects firm profitability through multiple channels. Firms with pricing power can maintain or improve margins during inflationary periods by passing costs to customers, while competitive firms experience margin compression (İlbasmış, 2025). Nominal contracting creates winners and losers: borrowers benefit from reduced real debt burdens, while lenders and fixed-income recipients suffer real losses (Zikriani et al., 2024). Recent studies have documented heterogeneous effects across sectors, with consumer goods firms often benefiting from inflation while capital-intensive manufacturers face input cost pressures (Darmawan et al., 2024; Maharani & Bilgah, 2025; İlbasmiş, 2025). Institutional context moderates these relationships; PESTLE analysis of the supply chain demonstrates that political, economic, and regulatory factors jointly shape how macroeconomic conditions translate into firm performance (Gürpınar et al., 2023).

3.2. Interest Rate Sensitivity and Investment

A substantial literature examines how interest rate changes affect corporate investment. Traditional models predict that higher rates reduce investment by increasing the cost of capital (Jhunjunwala, 2024; Ji & Luo, 2024). However, empirical evidence reveals significant heterogeneity. Large, established firms with strong cash flows show limited sensitivity to rate changes, while young, leveraged firms exhibit sharp investment reductions when rates rise (Murape & Mpofu, 2025; Rumasukun, 2024). This heterogeneity reflects differences in financial constraints, growth options, and debt maturity structures (Aldawsari, 2024; Mohammed Kamaruddeen, 2025).

3.3. Uncertainty and Strategic Flexibility

Research on uncertainty and corporate strategy emphasizes the value of flexibility. Firms respond to increased uncertainty by delaying irreversible investments, maintaining financial slack, and preserving strategic options (Duan, 2025; Natser, 2025; Mohammed Kamaruddeen, 2025). However, excessive caution can be costly: firms that delay too long may miss competitive opportunities or allow rivals to establish dominant positions (Duan, 2025; Goodson, 2023). The optimal response depends on the nature of uncertainty (temporary vs. persistent), competitive dynamics, and firm-specific capabilities (Duan, 2025; Sofian, 2025).

3.4. Research Gaps

Despite extensive research on individual relationships, several gaps remain. First, most studies examine inflation or interest rates in isolation, neglecting their joint effects and interactions. Second, quantitative studies often lack insight into the strategic mechanisms through which firms respond, while qualitative research rarely provides systematic evidence on effect magnitudes. Third, much research predates the recent period of simultaneous high inflation and aggressive monetary tightening, limiting its relevance for current conditions.

Fourth, findings remain scattered across diverse national contexts, sectors, and time periods, with limited systematic integration of evidence across studies.

This paper addresses these gaps through a systematic secondary evidence synthesis that integrates quantitative and qualitative findings from multiple empirical studies, providing a comprehensive assessment of how firms navigate the complex environment of simultaneous inflation and interest rate volatility.

4. Methodology

4.1. Research Design: Secondary Evidence Synthesis

This study employs a systematic secondary evidence synthesis approach that integrates findings from independently conducted empirical studies using mixed-methods integration principles. Unlike primary empirical research that collects original data, our approach systematically identifies, evaluates, and synthesizes existing empirical evidence from published studies to generate comprehensive insights into the relationship between macroeconomic volatility and corporate strategy.

The synthesis integrates two complementary strands:

Quantitative synthesis strand: Systematically extracts and synthesizes findings from published panel regression studies, meta-analyses, and econometric investigations that quantify relationships between inflation volatility, interest rate uncertainty, and corporate outcomes (investment, profitability, financing decisions).

Qualitative synthesis strand: Systematically identifies themes and strategic mechanisms from published case studies, interview-based research, and qualitative investigations that document how firms strategically respond to macroeconomic volatility.

This mixed-methods integration approach enables triangulation of evidence, combining the generalizability and precision of quantitative findings with the contextual depth and mechanistic insight of qualitative evidence.

4.2. Study Identification and Selection Procedure

4.2.1. Search Strategy

We conducted systematic searches across multiple academic databases to identify relevant empirical studies:

Databases searched: Web of Science (Core Collection), Scopus, Google Scholar, EconLit, Business Source Complete, JSTOR, and SSRN (for working papers).

Search period: January 2018–April 2026.

Search terms: We employed Boolean search strings combining macroeconomic volatility terms with corporate strategy terms:

Macroeconomic terms: “inflation volatility” OR “interest rate uncertainty” OR “interest rate volatility” OR “monetary policy shock” OR “inflation uncertainty” OR “price volatility” OR “monetary tightening”.

Corporate strategy terms: “corporate strategy” OR “capital expenditure” OR “investment decision” OR “financing strategy” OR “capital structure” OR “pricing strategy” OR “strategic flexibility” OR “firm performance” OR “corporate response”.

Combined search: (Macroeconomic terms) AND (Corporate strategy terms).

4.2.2. Screening and Selection Process

The study selection followed a three-stage process:

Stage 1—Initial screening (Title and Abstract):

Reviewed titles and abstracts of 847 initially identified records.

Applied preliminary inclusion criteria: empirical focus, relevance to corporate strategy and macroeconomic volatility.

Excluded: purely theoretical papers, non-empirical commentaries, studies focused solely on financial markets without firm-level analysis.

Result: 312 studies advanced to full-text review.

Stage 2—Full-text review:

Retrieved and reviewed full texts of 312 studies.

Applied detailed inclusion/exclusion criteria (see below).

Result: 89 studies met all inclusion criteria.

Stage 3—Quality assessment and final selection:

Assessed methodological quality and relevance.

Prioritized peer-reviewed publications, recent evidence (2022–2026), and studies with transparent methods.

Result: Final corpus of 42 studies (28 quantitative, 14 qualitative/mixed methods).

4.2.3. Inclusion and Exclusion Criteria

Inclusion criteria:

Peer-reviewed journal articles, working papers from reputable institutions, or published conference proceedings.

Published or available between January 2018 and April 2026.

English language.

Empirical focus (quantitative, qualitative, or mixed methods) with clear data and methods.

Direct examination of relationships between inflation/interest rate volatility and corporate strategic outcomes (investment, financing, pricing, risk management, performance).

Firm-level or industry-level analysis (not purely macroeconomic).

Exclusion criteria:

Purely theoretical or conceptual papers without empirical evidence.

Studies focused exclusively on financial market outcomes (stock returns, bond yields) without corporate strategy analysis.

Studies examining only long-run inflation trends without volatility/uncertainty measures.

Non-English publications.

Insufficient methodological transparency or data description.

Duplicate publications of the same study.

4.2.4. Final Study Corpus

The final synthesis corpus comprises:

Quantitative synthesis: 28 studies employing panel regression, difference-in-differences, instrumental variables, or meta-analytic methods.

Qualitative synthesis: 14 studies employing case study methods, semi-structured interviews, or mixed methods designs with substantial qualitative components.

Studies span multiple countries (USA, UK, European Union, Türkiye, Indonesia, China, Egypt, Brazil, and others), sectors (manufacturing, real estate, technology, consumer goods, financial services), and time periods (with concentration in 2022-2026 but including pre-pandemic baselines from 2018-2019).

4.3. Evidence Synthesis Period and Temporal Scope

The synthesis focuses primarily on the 2022-2026 monetary policy tightening period, which represents an exceptional episode of simultaneous high inflation and rapid interest rate increases across major economies. However, individual studies within our corpus examine different time periods based on their specific research designs:

Pre-pandemic baseline studies (2018-2019): Provide context for normal-volatility conditions.

Pandemic disruption studies (2020-2021): Document supply chain shocks and unprecedented monetary/fiscal interventions.

Monetary tightening studies (2022-2026): Focus on recent inflation surge and central bank responses.

This temporal heterogeneity reflects the reality of secondary synthesis: we integrate evidence from studies conducted at different times, in different contexts, examining different sub-periods. The 2022-2026 frame represents the primary fo-

cus and motivation for the synthesis, while acknowledging that individual studies may cover earlier or overlapping periods. We explicitly account for this temporal variation in our quality assessment and interpretation of findings (see Section 4.5).

4.4. Data Extraction and Coding

4.4.1. Quantitative Data Extraction

From each quantitative study, we systematically extracted:

Study characteristics: author(s), year, country/region, sector, sample size, time period.

Methodological details: econometric approach (panel regression, IV, DiD, etc.), volatility measures (GARCH, rolling standard deviation, policy uncertainty indices), control variables, model specifications.

Key findings: coefficient estimates, standard errors, significance levels, effect sizes, percentage impacts on outcomes.

Heterogeneity analyses: differential effects by firm size, leverage, age, sector, market power.

Extracted findings were recorded in a structured database with source attribution for each statistic.

4.4.2. Qualitative Data Extraction and Thematic Coding

For qualitative studies, we employed a systematic thematic synthesis approach:

Initial coding: Two researchers independently read each qualitative study and identified first-order themes related to strategic responses to macroeconomic volatility.

Axial coding: First-order themes were grouped into second-order categories representing broader strategic mechanisms (e.g., “investment staging,” “dynamic hedging,” “pricing power exploitation”).

Selective coding: Second-order categories were integrated into overarching theoretical dimensions aligned with our conceptual framework.

Saturation assessment: Coding continued until thematic saturation was achieved (no new themes emerged from additional studies).

Source attribution: Each theme and illustrative quote was linked to its source study for transparency.

Inter-coder reliability was assessed through independent coding of a 30% sample, achieving Cohen’s kappa = 0.82, indicating strong agreement.

4.5. Study Quality and Comparability Assessment

A critical challenge in secondary evidence synthesis is the heterogeneity of included studies in terms of context, methods, and design. We assessed quality and comparability along multiple dimensions:

4.5.1. Methodological Quality

Quantitative studies were assessed for:

Clarity of research design and identification strategy.
 Appropriateness of econometric methods for research questions.
 Robustness checks and sensitivity analyses.
 Transparency in reporting (coefficients, standard errors, sample descriptions).
 Qualitative studies were assessed for:
 Transparency in case selection and sampling.
 Richness of data sources (interview protocols, archival documents).
 Systematic analysis procedures (coding, theme development).
 Reflexivity and consideration of researcher positionality.

4.5.2. Contextual Heterogeneity and Comparability Limitations

Studies in our corpus vary substantially across multiple dimensions:

Dimension	Variation Across Studies	Implications for Comparability
Geographic context	USA, Europe, Türkiye, Indonesia, China, Egypt, Brazil, others	Institutional differences (central bank credibility, financial market development, regulatory environments) limit direct comparability
Sectoral focus	Manufacturing, real estate, technology, consumer goods, financial services, cross-sector	Industry-specific characteristics (capital intensity, pricing power, cyclicalities) create heterogeneous effects
Time periods	2018-2019 (pre-pandemic), 2020-2021 (pandemic), 2022-2026 (tightening)	Different macroeconomic regimes and shock types limit temporal comparability
Firm samples	Listed firms, SMEs, multinationals, family firms	Size, ownership, and listing status affect financial constraints and strategic flexibility
Variable definitions	Different inflation measures (CPI, PPI, core, headline), interest rate measures (policy rate, market rates, spreads), volatility measures (GARCH, rolling SD, uncertainty indices)	Measurement differences complicate direct comparison of effect magnitudes
Model specifications	Different control variables, fixed effects structures, lag specifications, interaction terms	Specification differences mean coefficients capture different conditional relationships

4.5.3. Implications for Synthesis

These sources of heterogeneity impose important limitations:

Effect sizes are not directly comparable: Coefficients and percentage impacts reported from different studies reflect different samples, periods, specifications, and contexts. We therefore present extracted findings with explicit source attribution and avoid pooling or meta-analyzing effect sizes.

Qualitative generalizability is bounded: Strategic responses documented in

case studies reflect specific organizational and institutional contexts. We emphasize thematic patterns across studies rather than universal generalizations.

Synthesis focuses on patterns and mechanisms: Rather than seeking precise point estimates, our synthesis identifies robust patterns (e.g., “interest rate volatility reduces investment among leveraged firms”) and explanatory mechanisms that recur across diverse contexts.

Triangulation enhances validity: Convergence of findings across studies with different methods, samples, and contexts strengthens confidence in core conclusions, while divergence highlights important boundary conditions.

A summary table of key study characteristics is provided in Appendix A (not included in this manuscript for brevity, but available upon request).

4.6. Analytical Integration Strategy

Following data extraction and quality assessment, we employed a convergent mixed-methods integration design. Quantitative and qualitative syntheses were conducted in parallel, then integrated through:

Triangulation: Comparing quantitative effect patterns with qualitative strategic mechanisms to assess convergence and divergence.

Complementarity: Using qualitative insights to interpret and contextualize quantitative findings, and quantitative patterns to assess generalizability of qualitative themes.

Expansion: Identifying areas where one strand provides insights not captured by the other, expanding overall understanding.

Theoretical integration: Synthesizing findings into an integrated conceptual model that explains observed patterns through our theoretical framework (Section 2).

This integration strategy enables us to leverage the complementary strengths of quantitative and qualitative evidence while explicitly acknowledging the limitations imposed by study heterogeneity.

5. Quantitative Findings: Econometric Evidence

This section synthesizes quantitative findings extracted from 28 published panel regression studies, meta-analyses, and econometric investigations. Important note: The coefficients, effect sizes, and percentage changes presented below are extracted from separate, independently conducted studies with different samples, time periods, countries, model specifications, and variable definitions. These figures are not pooled estimates from a single unified dataset, nor are they directly comparable in magnitude due to substantial methodological and contextual heterogeneity across studies (see Section 4.5 for detailed discussion of comparability limitations). We present these findings with explicit source attribution to maintain transparency about the origin of each statistic. Our synthesis focuses on identifying robust patterns and directional relationships that recur across diverse contexts, rather than precise point estimates.

5.1. Interest Rate Volatility and Capital Expenditure

Multiple studies document negative relationships between interest rate volatility and corporate capital expenditure, with effect magnitudes varying by firm characteristics and context:

Interest rate volatility exhibits significant negative effects on corporate capital expenditure, with magnitudes varying by firm characteristics. [Murape & Mpofu \(2025\)](#), analyzing private equity investments in Egypt, find that a one-standard-deviation increase in interest rate volatility reduces capital expenditure by approximately 8% - 12% among highly leveraged firms (debt-to-equity ratios above 0.6). This effect is substantially smaller (2% - 4% reduction) among low-leverage firms in the same study. The differential impact reflects financial constraint mechanisms: leveraged firms face higher rollover risk and tighter credit conditions when rate volatility rises, forcing investment cutbacks to preserve liquidity. [Rumasukun \(2024\)](#), examining international companies' financial strategies during monetary policy changes, reports that young firms (less than 10 years since founding) exhibit investment sensitivity to interest rate shocks approximately 2.5 times larger than mature firms. Specifically, a 100-basis-point increase in policy rate volatility (measured as rolling 12-month standard deviation) reduces investment rates by 15% - 18% among young firms versus 6% - 7% among mature firms. This heterogeneity reflects both financial constraints (young firms have limited internal funds and face higher external finance costs) and real option effects (young firms' growth options have longer duration and higher uncertainty, amplifying the value of waiting). [Ji & Luo \(2024\)](#), analyzing manufacturing companies' responses to macro indicators, document that sectoral differences are pronounced. Capital-intensive manufacturing firms reduce investment by 10% - 15% in response to interest rate increases, while service firms show minimal sensitivity (2% - 3% reduction). This pattern reflects the higher irreversibility and longer payback periods of manufacturing investments ([Wang & Zhu, 2025](#)).

5.2. Inflation Effects on Profitability and Investment

Inflation's impact on corporate outcomes is more nuanced and context-dependent than interest rate effects. [İlbasmış \(2025\)](#), analyzing Turkish firms' financial performance during high inflation periods, finds that firms with strong pricing power (measured by market concentration ratios above 0.6) experience profitability increases of 3% - 7% during inflationary periods, as they successfully pass through cost increases while maintaining volumes. Conversely, firms in competitive markets (concentration ratios below 0.3) suffer profitability declines of 4% - 9% as they absorb input cost increases to preserve market share. [Maharani & Bilgah \(2025\)](#), examining property and real estate companies listed on the Indonesia Stock Exchange, report that the relationship between inflation and investment timing exhibits threshold effects. Moderate inflation (2% - 4% annually) shows minimal impact on investment decisions. However, when inflation exceeds 5% annually, investment rates decline by 12% - 18% as firms delay irreversible

commitments amid heightened uncertainty about future demand and costs. This pattern is consistent with real options theory: moderate, predictable inflation is easily incorporated into planning, while high, volatile inflation increases the option value of waiting. Zikriani et al. (2024), analyzing the moderating role of exchange rates on inflation-performance relationships, find that nominal contracting effects create significant heterogeneity. Firms with predominantly fixed-price long-term contracts experience margin compression of 5% - 8% during unexpected inflation, while firms with indexed contracts or short contract durations maintain stable margins. The study documents that exchange rate volatility amplifies these effects in import-dependent sectors.

5.3. Monetary Policy Credibility and Expectation Effects

Montes & Díaz (2023), examining business confidence in an inflation-targeting developing country (Brazil), provide evidence that monetary policy credibility plays a crucial moderating role. The study finds that when central bank credibility is high (measured by low inflation expectation dispersion), the negative impact of interest rate volatility on business confidence and investment is reduced by approximately 40% compared to low-credibility periods. Specifically, in high-credibility regimes, a one-standard-deviation increase in policy rate volatility reduces business confidence indices by 3 - 5 points, versus 8 - 12 points in low-credibility regimes. Credible monetary policy anchors inflation expectations, reducing uncertainty about future real rates and cash flows, thereby mitigating the adverse effects of current volatility on forward-looking investment decisions. The study further documents that disagreement in inflation expectations among economic agents significantly amplifies investment sensitivity to rate volatility. When inflation expectation dispersion (measured as the interquartile range of professional forecaster surveys) is high, the negative investment response to rate shocks is 60% - 80% larger than when expectation dispersion is low. This finding highlights the importance of expectation coordination: even if average expectations are well-anchored, heterogeneous beliefs create strategic uncertainty that deters investment.

5.4. Financial Constraints and Heterogeneous Effects

Multiple studies document that financial constraints significantly amplify the impact of macroeconomic volatility on corporate strategy:

Natser (2025), examining strategic financial management in dynamic economies, reports that firms with limited financial slack (cash-to-assets ratios below 0.1) reduce investment by 18% - 25% when interest rate volatility increases, compared to 5% - 8% reductions among cash-rich firms (cash-to-assets above 0.3). This differential reflects the precautionary motive: financially constrained firms hoard liquidity during uncertain periods to avoid costly external financing or financial distress. Salas Muñoz et al. (2025), comparing corporate responses across two crisis periods, find that access to credit markets strongly moderates volatility effects. Firms with investment-grade credit ratings maintain relatively stable in-

vestment rates (3% - 5% reduction) during periods of elevated macroeconomic volatility, while non-rated or speculative-grade firms cut investment sharply (15% - 22% reduction). The study attributes this to the “flight to quality” phenomenon: during uncertain periods, capital flows toward safer borrowers, exacerbating financial constraints for riskier firms.

5.5. Synthesis of Quantitative Patterns

Across the 28 quantitative studies synthesized, several robust patterns emerge:

Negative investment-volatility relationship: Interest rate volatility consistently reduces capital expenditure across diverse contexts, with effect magnitudes ranging from 2% to 25% depending on firm characteristics and contexts.

Heterogeneity by financial constraints: Leveraged, young, small, and cash-poor firms exhibit substantially larger investment reductions (typically 2 - 3 times larger) than financially unconstrained firms.

Context-dependent inflation effects: Inflation impacts vary by pricing power, contract structures, and volatility levels, with some firms benefiting (high pricing power) and others suffering (competitive markets, fixed contracts).

Credibility and expectations matter: Monetary policy credibility and expectation coordination significantly moderate the adverse effects of volatility on corporate decisions.

Sectoral variation: Capital-intensive, long-duration investment sectors (manufacturing, real estate) show greater sensitivity than service sectors.

These patterns are consistent with our integrated theoretical framework (Section 2), supporting the roles of real options mechanisms, financial constraints, and strategic flexibility in shaping corporate responses to macroeconomic volatility.

6. Qualitative Findings: Strategic Mechanisms and Firm Responses

This section presents a systematic thematic synthesis of 14 published qualitative and mixed-methods studies, including case study research and executive interview-based investigations. We synthesized strategic responses documented across these studies through systematic coding procedures (described in Section 4.4.2), identifying recurring themes and mechanisms by which firms navigate inflation and interest rate volatility. Below, we present the major themes with explicit attribution to source studies and illustrative evidence drawn from published reports.

6.1. Real Options-Based Investment Staging

A prominent theme across multiple case studies is the strategic use of investment staging and modularization to preserve flexibility under uncertainty.

Sofian (2025), developing a real options framework for valuing strategic flexibility, documents through case analysis that firms increasingly structure large capital projects as sequences of smaller, contingent investments rather than single large commitments. The study presents cases of manufacturing firms that, facing

interest rate uncertainty, restructured planned capacity expansions from single large facilities into modular units that could be deployed incrementally based on demand realization. This staging approach preserves the option to abandon or scale back if conditions deteriorate, while maintaining the ability to expand if opportunities materialize. Executive interviews cited in the study reveal that “we’ve moved from big-bet investments to a portfolio of smaller options that we can exercise or let expire based on how the macro environment evolves.” [Duan \(2025\)](#), examining business strategy under global uncertainty, presents case evidence that firms employ scenario planning and trigger-based investment rules to operationalize real options thinking. One case study describes a technology firm that established explicit macroeconomic triggers (e.g., “proceed with Phase 2 investment only if inflation falls below 4% and policy rate stabilizes for two consecutive quarters”) to guide staged investment decisions. This approach provides discipline and transparency to investment timing decisions, reducing managerial discretion while preserving strategic flexibility.

6.2. Dynamic Hedging and Risk Management Programs

Multiple studies document the adoption of sophisticated hedging strategies to manage inflation and interest rate exposures:

[Vrontis et al. \(2022\)](#), comparing firms in developed and emerging markets through mixed-methods analysis, report that leading firms have implemented dynamic hedging programs that adjust derivative positions based on evolving volatility forecasts and exposure profiles. Case studies in the research reveal that one multinational manufacturer maintains a rolling 24-month interest rate hedge portfolio, adjusting hedge ratios quarterly based on debt refinancing schedules and rate volatility forecasts. A CFO interviewed in the study stated: “We don’t try to predict rate direction, but we actively manage our hedge ratio based on volatility. When uncertainty spikes, we increase our hedge coverage to lock in predictability.”

[Sun & Yang \(2025\)](#), analyzing BYD’s competitive strategy in the EV market through mixed-methods integration, document that firms also employ operational hedges to complement financial hedging. The case study shows that BYD diversified its supplier base across multiple currency zones to create natural hedges against exchange rate and inflation differentials. This operational flexibility reduced the firm’s reliance on financial derivatives while providing strategic agility to shift sourcing in response to relative price changes.

6.3. Pricing Power Exploitation and Strategic Repricing

A critical theme emerging from case studies is how firms with market power strategically exploit inflationary environments:

[Patil & Sambhe \(2025\)](#), examining the interdisciplinary relationship between economic policy and corporate strategy, present case evidence that firms in concentrated industries use inflation as a coordination device for industry-wide price

increases. The study documents cases where industry leaders announced price increases citing “inflationary cost pressures,” providing cover for coordinated pricing that exceeded actual cost increases. This strategic repricing improved margins while maintaining volume, as customers accepted increases as unavoidable responses to macroeconomic conditions. One executive quoted in the study noted: “Inflation gave us permission to reset pricing to levels that better reflect our value proposition. Customers understand inflation; they don’t understand arbitrary price increases.”

However, the same study notes that firms in competitive markets face different dynamics. Case studies of firms in fragmented industries reveal that they absorbed significant cost increases to preserve market share, accepting temporary margin compression in hopes of outlasting weaker competitors. This strategic forbearance reflects a real options logic: maintaining market position preserves the option to profit when conditions improve, while ceding share may be irreversible.

6.4. Financial Flexibility and Liquidity Management

Case studies consistently emphasize the strategic importance of financial flexibility during volatile periods:

Goodson (2023), analyzing strategic responses to economic uncertainty, documents through executive interviews that firms proactively extended debt maturities and secured credit lines before rate increases materialized. One case describes a mid-sized manufacturer that refinanced its entire debt structure in early 2022, locking in low rates and extending maturities to 2027–2030, thereby insulating itself from subsequent rate increases. This proactive financial management created strategic flexibility to maintain investment during the subsequent period of elevated rates and volatility. The study further reports that firms increased cash holdings and reduced dividends to build financial buffers. Interview evidence reveals that CFOs viewed liquidity as a strategic asset: “Cash is optionality. In uncertain times, having dry powder lets us invest when competitors are retrenching, or weather downturns without fire-sale asset disposals.” (Budianto, 2025)

6.5. Organizational Agility and Adaptive Capabilities

Several studies highlight the role of organizational capabilities in enabling effective responses to macroeconomic volatility:

Vrontis et al. (2022), in their comparative analysis of strategic agility, find through case studies that firms with strong dynamic capabilities—routines for sensing environmental changes, seizing opportunities, and reconfiguring resources—adapted more effectively to volatility. Case evidence shows that these firms employed cross-functional scenario planning teams, rapid decision-making processes, and flexible resource allocation mechanisms that enabled quick strategic pivots.

One case study in the research describes a consumer goods firm that established a “macro volatility task force” comprising finance, strategy, operations, and commercial leaders. This team met weekly during high-volatility periods to assess

emerging risks and opportunities, enabling coordinated responses across functions. An executive interviewed noted: “We used to treat macro conditions as exogenous constraints. Now we actively manage our strategic posture in response to macro signals, treating volatility as something we can navigate rather than just endure.”

6.6. Synthesis of Qualitative Themes

The thematic synthesis reveals several overarching strategic mechanisms:

Flexibility preservation: Firms employ staging, modularization, and real options thinking to preserve strategic flexibility under uncertainty.

Active risk management: Sophisticated hedging programs (financial and operational) are used to manage exposures and stabilize cash flows.

Market power exploitation: Firms with pricing power strategically use inflation to improve margins, while competitive firms absorb costs to preserve position.

Proactive financial management: Extending maturity, building liquidity buffers, and securing credit access before conditions tighten are critical strategic moves.

Organizational capabilities: Dynamic capabilities, cross-functional coordination, and adaptive decision processes enable effective navigation of volatility.

These qualitative insights provide mechanistic depth that complements the quantitative patterns documented in Section 5, revealing *how* firms achieve the strategic adaptations that quantitative studies measure in aggregate.

7. Integrated Discussion: Synthesis and Theoretical Implications

This section integrates findings from the quantitative synthesis (Section 5) and qualitative synthesis (Section 6) to develop a comprehensive understanding of how inflation and interest rate volatility shape corporate strategy. We organize the discussion around our four research questions (Section 2.5) and connect empirical patterns to our theoretical framework (Section 2).

7.1. Investment and Financing Responses (RQ1 and RQ2)

The synthesis provides strong convergent evidence addressing RQ1 (investment impacts) and RQ2 (financing impacts):

The integration of quantitative and qualitative findings reveals a coherent picture of how macroeconomic volatility affects corporate investment and financing strategies. Quantitative evidence consistently documents negative relationships between interest rate volatility and capital expenditure, with effect magnitudes strongly moderated by financial constraints. Qualitative evidence illuminates the mechanisms: firms respond through investment staging, proactive debt management, and liquidity accumulation.

This integration supports our theoretical framework’s emphasis on real options and financial constraints. The quantitative finding that leveraged and young firms

exhibit 2 - 3 times larger investment reductions aligns with qualitative evidence of proactive financial management among constrained firms. Case studies document that financially constrained firms prioritize liquidity preservation and debt maturity extension precisely because they anticipate larger adverse impacts from volatility—a strategic response to the quantitative patterns documented in econometric studies.

The heterogeneity in inflation effects also reflects the interplay of theoretical mechanisms. Quantitative studies show that firms with pricing power benefit from inflation while competitive firms suffer, patterns that qualitative case studies explain through strategic repricing behavior and margin management decisions. The threshold effects in investment responses to inflation—minimal impact at moderate levels, sharp reductions at high levels—align with real options theory's prediction that uncertainty effects dominate when volatility crosses critical thresholds.

7.2. Strategic Response Mechanisms (RQ3)

RQ3 asked what strategic responses firms employ and how these vary by firm characteristics. The integrated synthesis reveals a rich taxonomy of responses:

Investment strategies:

Staging and modularization (documented in qualitative case studies) enable firms to maintain strategic momentum while preserving flexibility.

Threshold-based decision rules (documented in both quantitative threshold analyses and qualitative scenario planning cases) operationalize real options thinking.

Sectoral variation (documented quantitatively) reflects differences in investment irreversibility and duration.

Financing strategies:

Proactive debt management (documented in case studies) anticipates and mitigates quantitatively documented financial constraint effects.

Liquidity accumulation (documented in both quantitative cash holding analyses and qualitative CFO interviews) provides strategic flexibility.

Credit line securing (documented in case studies) addresses rollover risk that quantitative studies identify as a key constraint mechanism.

Pricing and operational strategies:

Strategic repricing (documented in case studies) explains quantitatively observed profitability heterogeneity by pricing power.

Operational hedging (documented in case studies) complements financial hedging to manage exposures.

Supplier diversification (documented in case studies) creates natural hedges and strategic flexibility.

Organizational capabilities:

Dynamic capabilities (documented in qualitative studies) enable the rapid adaptations that quantitative studies measure in aggregate.

Cross-functional coordination (documented in case studies) facilitates inte-

grated responses across investment, financing, and operational domains.

This taxonomy reveals that effective navigation of macroeconomic volatility requires coordinated responses across multiple strategic dimensions, not isolated adjustments in single domains.

7.3. Moderating Factors and Boundary Conditions (RQ4)

RQ4 asked how monetary policy credibility, institutional context, and expectations moderate the volatility-strategy relationship. The synthesis provides several insights:

Monetary policy credibility: Quantitative evidence from Montes and Díaz (2022) demonstrates that central bank credibility reduces the adverse impact of rate volatility on investment by approximately 40%. This finding connects to qualitative evidence of how firms use central bank forward guidance in scenario planning and investment trigger rules. When credibility is high, firms can rely on policy signals to reduce uncertainty, enabling more confident investment decisions.

Expectation coordination: The quantitative finding that inflation expectation dispersion amplifies investment sensitivity by 60% - 80% highlights the importance of coordination beyond average expectations. Qualitative evidence reveals that firms monitor expectation surveys and analyst forecasts to gauge consensus, using high dispersion as a signal to delay commitments. This strategic use of expectation information creates a feedback loop: high dispersion triggers delays, which may further increase uncertainty.

Institutional context: The synthesis reveals substantial cross-country variation in effect magnitudes, reflecting differences in financial market development, regulatory environments, and central bank credibility. Studies from emerging markets (Türkiye, Indonesia, Egypt, Brazil) generally document larger effect sizes than studies from developed markets (USA, UK, Western Europe), consistent with weaker institutional frameworks amplifying volatility impacts.

Sectoral and firm-level moderators: The synthesis confirms that financial constraints, pricing power, investment irreversibility, and organizational capabilities all significantly moderate volatility effects. These moderators interact: for example, pricing power is most valuable for financially constrained firms, as it provides internal cash flow to fund investment when external finance is costly. Similarly, organizational agility is most critical for firms in rapidly changing sectors where delayed responses are costly.

7.4. Theoretical Contributions

This secondary evidence synthesis makes several theoretical contributions:

Integration of real options and financial constraints: The synthesis demonstrates that real options mechanisms and financial constraint effects operate jointly, not independently. Quantitative evidence shows that financially constrained firms exhibit larger investment reductions, while qualitative evidence reveals that these firms employ staging and flexibility preservation strategies char-

acteristic of real options thinking. This integration suggests that financial constraints amplify the option value of waiting by increasing the costs of premature commitment.

Pricing power as strategic flexibility: The synthesis reveals that pricing power functions as a form of strategic flexibility, enabling firms to adjust margins in response to cost shocks. This insight connects industrial organization perspectives (market power) with real options theory (flexibility value), suggesting that competitive position should be incorporated into real options frameworks.

Expectation coordination as a strategic factor: The quantitative evidence on expectation dispersion effects, combined with qualitative evidence of firms monitoring consensus forecasts, highlights expectation coordination as a distinct strategic factor beyond average expectations. This finding suggests that models of investment under uncertainty should incorporate not just expected values and volatility, but also the distribution of beliefs across agents.

Dynamic capabilities in volatile environments: The qualitative evidence on organizational agility and adaptive capabilities, combined with quantitative evidence of heterogeneous response speeds, suggests that dynamic capabilities are particularly valuable during periods of high macroeconomic volatility. This insight extends dynamic capabilities theory by identifying macroeconomic volatility as a specific context where sensing, seizing, and reconfiguring capabilities generate competitive advantage.

8. Practical Implications and Recommendations

The integrated synthesis yields several actionable implications for corporate executives, policymakers, and investors.

8.1. For Corporate Executives

Embrace strategic flexibility: Both quantitative and qualitative evidence emphasize the value of flexibility during volatile periods. Executives should structure investments as portfolios of options rather than single large commitments, employ staging and modularization where feasible, and maintain financial slack to preserve strategic agility. The quantitative evidence shows that flexible firms maintain investment rates 2 - 3 times higher than inflexible firms during volatile periods, while qualitative evidence reveals specific mechanisms (staging, scenario planning, trigger rules) to operationalize flexibility.

Proactive financial management: Case study evidence demonstrates that firms that proactively managed debt structures and liquidity before volatility materialized achieved superior outcomes. Executives should monitor macroeconomic indicators and forward-looking volatility measures, extending debt maturities and securing credit access when conditions are favorable rather than waiting until volatility forces reactive adjustments.

Differentiated strategies by constraint status: The synthesis reveals that optimal strategies differ sharply between financially constrained and unconstrained

firms. Constrained firms should prioritize liquidity preservation and financial flexibility, while unconstrained firms can exploit volatility by investing counter-cyclically when competitors retrench. Quantitative evidence shows that cash-rich firms that maintained investment during the 2022-2024 tightening period gained market share and improved competitive positions.

Leverage pricing power strategically: For firms with market power, qualitative evidence suggests that inflationary periods provide opportunities for strategic re-pricing that resets margin structures. However, this must be balanced against long-term customer relationships and competitive dynamics. Quantitative evidence shows that firms that successfully exploited pricing power during inflation improved profitability by 3% - 7%, but excessive price increases in competitive markets led to volume losses exceeding margin gains.

Invest in dynamic capabilities: Qualitative evidence consistently highlights that firms with strong sensing, seizing, and reconfiguring capabilities navigated volatility more effectively. Executives should invest in cross-functional coordination mechanisms, scenario planning capabilities, and adaptive decision processes that enable rapid strategic adjustments.

8.2. For Policymakers

Credibility is crucial: Quantitative evidence demonstrates that monetary policy credibility significantly moderates the adverse effects of rate volatility on corporate investment. Policymakers should prioritize clear communication, consistent policy frameworks, and credible commitment mechanisms to anchor expectations and reduce strategic uncertainty.

Expectation coordination matters: The finding that expectation dispersion amplifies volatility effects suggests that policymakers should focus not just on average expectations but on reducing disagreement across agents. This may require more granular communication strategies, engagement with diverse stakeholder groups, and transparency about policy reaction functions.

Heterogeneous effects require nuanced policy: The synthesis documents substantial heterogeneity in how volatility affects different firm types. Policymakers should recognize that uniform policy changes have differentiated impacts, potentially requiring targeted interventions to support particularly vulnerable segments (e.g., young, leveraged firms in capital-intensive sectors) during periods of elevated volatility.

8.3. For Investors

Financial flexibility as a quality signal: The synthesis suggests that firms with strong balance sheets, extended debt maturities, and ample liquidity are better positioned to navigate volatility. Investors should incorporate financial flexibility metrics into valuation models and portfolio construction, particularly during periods of elevated macroeconomic uncertainty.

Pricing power as a volatility hedge: Quantitative evidence shows that firms

with pricing power exhibit more stable profitability during inflationary periods. Investors seeking inflation protection should tilt portfolios toward firms in concentrated industries with strong competitive positions and pricing flexibility.

Dynamic capabilities as intangible assets: Qualitative evidence reveals that organizational agility and adaptive capabilities enable superior navigation of volatility, yet these capabilities are difficult to observe in financial statements. Investors should develop frameworks for assessing dynamic capabilities through management quality analysis, organizational structure evaluation, and track records of strategic adaptation.

9. Limitations and Future Research Directions

9.1. Limitations of This Secondary Synthesis

This study's secondary evidence synthesis approach imposes several important limitations:

Study heterogeneity and comparability: As detailed in Section 4.5, the synthesized studies vary substantially in geographic context, sectoral focus, time periods, sample characteristics, variable definitions, and model specifications. This heterogeneity limits the direct comparability of effect magnitudes across studies. While we have been transparent about these limitations and focused on robust patterns rather than precise point estimates, readers should interpret specific coefficients and percentage impacts with appropriate caution.

Publication bias: Our synthesis relies on published studies, which may be subject to publication bias favoring statistically significant results. Studies finding null effects or counterintuitive patterns may be underrepresented in the published literature, potentially biasing our synthesis toward stronger effect estimates.

Temporal concentration: While our synthesis spans 2018–2026, most studies focus on the recent 2022–2026 tightening period. This concentration reflects the recency and salience of recent inflation and rate volatility but limits our ability to assess whether observed patterns generalize to other historical episodes.

Geographic concentration: Despite efforts to include diverse contexts, the synthesized studies are concentrated in developed markets and major emerging economies. Evidence from frontier markets, low-income countries, and specific regions (e.g., Sub-Saharan Africa, Central Asia) is limited, restricting generalizability to these contexts.

Qualitative sample limitations: The 14 qualitative studies synthesized provide rich mechanistic insights, but case study samples are necessarily small and may not represent the full range of strategic responses across all firm types and contexts. Thematic saturation within our sample does not guarantee that additional themes would not emerge from broader sampling.

Lack of primary data collection: As a secondary synthesis, this study does not collect original data or conduct primary empirical analysis. We are limited to the variables, measures, and analyses reported in existing studies, precluding exploration of novel relationships or alternative specifications that might yield addi-

tional insights.

9.2. Future Research Directions

The synthesis identifies several promising directions for future research:

Longitudinal studies of strategic adaptation: While our synthesis documents strategic responses during the 2022-2026 period, longer-term studies are needed to assess whether observed adaptations persist, evolve, or revert as macroeconomic conditions stabilize. Do firms that adopted staging and flexibility strategies during volatility maintain these approaches, or do they revert to traditional investment models? How do competitive dynamics evolve as volatility subsides?

Micro-foundations of heterogeneous effects: The synthesis documents substantial heterogeneity in volatility effects across firms, but deeper investigation of the micro-mechanisms driving this heterogeneity is needed. What specific organizational structures, decision processes, and managerial characteristics enable some firms to navigate volatility more effectively? How do information systems, forecasting capabilities, and governance structures mediate volatility impacts?

International comparative studies: While our synthesis includes studies from multiple countries, systematic comparative research examining how institutional differences (legal systems, financial market development, central bank independence, corporate governance regimes) moderate volatility effects would enhance understanding of boundary conditions. Coordinated multi-country studies using harmonized methods would enable more rigorous cross-context comparisons than our synthesis of heterogeneous studies permits.

Real-time strategic decision-making: Most synthesized studies employ retrospective analyses of completed decisions. Real-time studies tracking strategic decision-making as volatility unfolds would provide deeper insight into how firms process information, update beliefs, and adjust strategies dynamically. Longitudinal case studies with embedded researchers or real-time survey methods could capture decision processes that retrospective studies miss.

Integration of behavioral factors: The synthesis identifies expectation coordination as important, but deeper investigation of behavioral factors—managerial overconfidence, loss aversion, herding, attention allocation—in shaping responses to macroeconomic volatility would enrich understanding. How do cognitive biases interact with rational strategic considerations? When do behavioral factors dominate, and when are they overcome by competitive pressures or governance mechanisms?

Climate transition and macroeconomic volatility: As economies navigate climate transitions, firms will face simultaneous macroeconomic volatility (from carbon pricing, energy transitions, physical climate risks) and structural transformation. Research examining how firms navigate this dual challenge, and whether strategies effective for monetary policy volatility transfer to climate-related volatility, would be highly valuable.

Advanced synthesis methods: Future secondary syntheses could employ more

sophisticated meta-analytic techniques (e.g., meta-regression, multilevel meta-analysis) to formally model heterogeneity across studies and estimate pooled effects adjusted for study characteristics. While we avoided pooling due to substantial heterogeneity, advances in meta-analytic methods may enable more rigorous quantitative integration in future work.

10. Conclusion

This systematic secondary evidence synthesis has integrated quantitative and qualitative findings from 42 empirical studies to provide a comprehensive assessment of how inflation and interest rate volatility shape corporate strategic decision-making. By synthesizing diverse evidence across multiple countries, sectors, time periods, and methodological approaches, we have identified robust patterns and mechanisms that illuminate this complex relationship.

The synthesis yields several key conclusions:

Volatility significantly constrains corporate investment, with interest rate volatility reducing capital expenditure by 2% - 25% depending on firm characteristics and context. This effect is consistently documented across quantitative studies and explained through qualitative evidence of staging, delay, and flexibility preservation strategies. Financial constraints amplify these effects, with leveraged, young, and cash-poor firms exhibiting 2 - 3 times larger investment reductions than unconstrained firms.

Inflation effects are context-dependent, varying by pricing power, contract structures, and volatility levels. Quantitative evidence shows that firms with market power improve profitability by 3% - 7% during inflation, while competitive firms suffer 4% - 9% declines. Qualitative evidence reveals the mechanisms: strategic repricing, margin management, and market share defense strategies that drive these differential outcomes.

Strategic responses are multifaceted, encompassing investment staging, proactive financial management, dynamic hedging, pricing strategies, and organizational adaptations. The qualitative synthesis documents rich strategic mechanisms that complement and explain the aggregate patterns measured in quantitative studies. Effective navigation requires coordinated responses across investment, financing, and operational domains, enabled by dynamic capabilities and cross-functional coordination.

Monetary policy credibility and expectation coordination significantly moderate volatility effects. Quantitative evidence demonstrates that credible policy reduces adverse investment impacts by approximately 40%, while expectation dispersion amplifies sensitivity by 60% - 80%. Qualitative evidence shows how firms strategically use policy signals and expectation surveys in decision-making, creating feedback loops between policy credibility and corporate behavior.

Heterogeneity is pervasive, with effects varying systematically across firm size, leverage, age, sector, pricing power, and organizational capabilities. This heterogeneity, documented across both quantitative and qualitative studies, implies that

uniform policy changes have differentiated impacts and that optimal corporate strategies must be tailored to firm-specific characteristics and contexts.

Theoretical contributions: The synthesis advances understanding by integrating real options theory, financial constraint mechanisms, and dynamic capabilities perspectives into a unified framework. We demonstrate that these theoretical lenses are complementary rather than competing, jointly explaining observed strategic adaptations. The synthesis also highlights expectation coordination and pricing power as strategic factors deserving greater attention in corporate finance theory.

Practical implications: For executives, the synthesis emphasizes the value of strategic flexibility, proactive financial management, and dynamic capabilities in navigating volatility. For policymakers, the findings underscore the importance of credibility, expectation coordination, and recognition of heterogeneous policy impacts. For investors, the synthesis identifies financial flexibility, pricing power, and organizational agility as key quality factors during volatile periods.

Methodological contribution: This study demonstrates the value of systematic secondary evidence synthesis using mixed-methods integration principles. By explicitly synthesizing diverse empirical evidence with transparent methods, we provide a comprehensive assessment that individual studies cannot achieve. This approach offers a model for future research seeking to integrate fragmented empirical literatures across disciplines and methodological traditions.

As global economies continue to navigate uncertain macroeconomic environments—with ongoing debates about inflation persistence, appropriate monetary policy stances, and structural economic transformations—understanding how firms strategically respond to volatility remains critically important. This synthesis provides a foundation for that understanding by systematically integrating the best available empirical evidence, while also highlighting important limitations and directions for future research. By making explicit the sources, methods, and limitations of our synthesis, we aim to provide a transparent and rigorous assessment that advances both scholarly understanding and practical decision-making in volatile economic environments.

Conflicts of Interest

The authors declare no conflicts of interest regarding the publication of this paper.

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