

FACTORS AFFECTING CONSUMER BEHAVIOUR IN IMPULSE BUYING: A COMPREHENSIVE REVIEW

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Abstract

Impulse buying represents a significant phenomenon in consumer behavior, accounting for a substantial portion of retail purchases across both traditional and digital platforms. This comprehensive review examines the multifaceted factors influencing impulse buying behavior, synthesizing findings from five decades of research. We systematically analyze both external factors (environmental stimuli, marketing cues, store atmosphere, promotional strategies) and internal factors (individual impulsivity, psychological reactance, emotional arousal, demographic characteristics) that trigger impulse purchases. The review distinguishes impulse buying from compulsive buying behavior and explores the application of psychological reactance theory and environmental psychology frameworks in understanding consumer responses to scarcity and time constraints. Our analysis reveals that impulse buying is driven by a complex interplay of situational and dispositional factors, with promotional strategies, in-store stimuli, and emotional arousal serving as primary triggers. The review identifies significant research gaps, particularly in the context of emerging digital retail environments, and proposes directions for future investigation. This synthesis provides valuable insights for both academic researchers seeking to advance theoretical understanding and practitioners aiming to develop effective retail strategies.

Keywords: Impulse buying, consumer behavior, psychological reactance, environmental psychology, retail marketing, online shopping, emotional arousal

1. INTRODUCTION

Impulse buying has emerged as a critical area of investigation in consumer behavior research, representing a purchasing pattern characterized by spontaneity, immediacy, and minimal deliberation (Rook, 1987; Beatty & Ferrell, 1998). The phenomenon has garnered substantial attention from both academic researchers and marketing practitioners due to its significant impact on retail revenue and consumer satisfaction. Unlike planned purchases that involve careful consideration and information search, impulse buying occurs when consumers experience sudden, compelling urges to acquire products immediately upon encountering them (Rook & Fisher, 1995).

The prevalence of impulse buying in contemporary retail environments is substantial. Research indicates that a considerable proportion of consumer purchases, particularly in specific product categories such as apparel, cosmetics, and food items, can be attributed to impulse buying behavior (Abratt & Goodey, 1990). This phenomenon has been observed across diverse shopping contexts, including traditional brick-and-mortar stores, online e-commerce platforms, and television shopping channels (Iyer, 1989; Park & Lennon, 2004; LaRose, 2001).

Over the past five decades, researchers have investigated various dimensions of impulse buying, examining both situational factors—such as store environment, marketing stimuli, product displays, and time constraints—and individual factors—including demographics, personality traits, shopping orientations, and dispositional impulsivity (Beatty & Ferrell, 1998; Dittmar et al., 1995; Rook & Gardner, 1993; Zhou & Wong, 2003). Despite this extensive body of research, several questions remain regarding the mechanisms through which different factors interact to produce impulse buying behavior, particularly in evolving retail landscapes.

1.1 Research Objectives

This review article aims to:

1. Provide a comprehensive synthesis of factors influencing impulse buying behavior
2. Distinguish impulse buying from related constructs, particularly compulsive buying
3. Examine theoretical frameworks explaining impulse buying phenomena
4. Analyze the role of environmental and psychological factors in triggering impulse purchases
5. Compare impulse buying dynamics across traditional and digital retail contexts
6. Identify research gaps and propose directions for future investigation

1.2 Significance of the Study

Understanding impulse buying behavior holds significant implications for multiple stakeholders. For retailers and marketers, insights into impulse buying triggers can inform store design, product placement strategies, promotional campaigns, and customer engagement initiatives. For consumers, awareness of impulse buying mechanisms can facilitate more conscious purchasing decisions and improved financial management. For

researchers, this review provides a foundation for developing more sophisticated theoretical models and empirical investigations of consumer behavior in contemporary retail environments.

2. Conceptual Foundations of Impulse Buying

2.1 Defining Impulse Buying

The conceptualization of impulse buying has evolved considerably over the past several decades. Early research often conflated impulse buying with unplanned purchasing, treating the terms as synonymous (Abratt & Goodey, 1990; Bellenger et al., 1978; Iyer, 1989; Kollat & Willet, 1967; Stern, 1962). However, subsequent scholarship has established that while all impulse purchases are unplanned, not all unplanned purchases are impulsive (Kollat & Willet, 1969).

Stern (1962) provided one of the earliest taxonomies of impulse buying, identifying four distinct types: pure impulse buying, reminder impulse buying, suggestion impulse buying, and planned impulse buying. This classification highlighted the heterogeneity within the broader category of impulse purchases.

Rook (1987) advanced the field significantly by emphasizing the affective and cognitive dimensions of impulse buying. He defined the phenomenon as behavior arising from a sudden, spontaneous urge to act, characterized by minimal deliberation regarding future consequences. According to Rook (1987, p. 191), impulse buying involves “a sudden, often powerful and persistent urge to buy something immediately.”

Building upon Rook’s conceptualization, Beatty and Ferrell (1998, p. 191) provided a more comprehensive definition:

“Impulse buying is a sudden and immediate purchase with no pre-shopping intention either to buy the specific product category or to fulfill a specific buying task. The behavior occurs after experiencing an urge to buy and it tends to be spontaneous and without a lot of reflection (i.e., it is ‘impulsive’). It does not include the purchase of a simple reminder item, which is an item that is simply out-of-stock at home.”

This definition incorporates several key elements: (1) absence of prior purchase intention, (2) sudden urge to buy, (3) spontaneity, (4) minimal cognitive deliberation, and (5) immediacy of action. These characteristics distinguish impulse buying from other forms of purchasing behavior.

Dholakia (2000) further emphasized the temporal dimension, noting that impulse buying is associated with an extremely short decision-making timeframe. The compressed temporal window between product exposure and purchase decision represents a defining feature of impulse buying behavior.

2.2 Distinguishing Impulse Buying from Compulsive Buying

A critical conceptual distinction exists between impulse buying and compulsive buying, though the two phenomena share certain superficial similarities. Understanding these differences is essential for both theoretical clarity and practical intervention (O’Guinn & Faber, 1989).

Degree of Self-Regulation: Impulse buying involves a momentary, situational loss of impulse control triggered by specific environmental stimuli or product encounters. In contrast, compulsive buying reflects a chronic, pervasive loss of impulse control that persists across diverse situations and contexts. Compulsive buying exhibits repetitive, obsessive qualities that characterize addictive behaviors (O’Guinn & Faber, 1989).

Motivational Differences: Impulse buyers typically purchase because they experience a sudden desire to own a particular product, driven by the product’s perceived attractiveness or utility. Compulsive buyers, however, engage in purchasing behavior not primarily to acquire products but rather to regulate negative emotional states, enhance self-esteem, or fulfill social interaction needs. The act of purchasing itself, rather than product ownership, serves as the primary motivation (O’Guinn & Faber, 1989).

Post-Purchase Consequences: Following impulse purchases, consumers typically experience positive emotions associated with acquiring desired products. Since impulse buying is episodic rather than chronic, it rarely leads to serious financial or psychological problems. Conversely, compulsive buyers often experience guilt, anxiety, and remorse following purchases, recognizing their behavior as problematic. These negative emotions may paradoxically trigger additional compulsive buying episodes, creating a self-perpetuating cycle. Compulsive buyers frequently accumulate significant credit card debt and experience substantial life disruptions (O’Guinn & Faber, 1989).

Temporal Pattern: Impulse buying represents discrete, isolated purchasing events, whereas compulsive buying manifests as a persistent behavioral pattern. While repeated impulse buying may potentially evolve into compulsive buying over time, the two phenomena remain conceptually distinct.

2.3 Dimensions of Impulse Buying

Rook and Hoch (1985) identified five key dimensions that characterize the impulse buying experience:

1. **Sudden and Involuntary Impulse to Action:** Consumers experience an unexpected urge to purchase that arises spontaneously upon product exposure
2. **Temporary Loss of Self-Control:** The impulse overwhelms normal decision-making processes and self-regulatory mechanisms
3. **Internal Psychological Conflict:** Consumers experience tension between the desire to purchase and rational considerations
4. **Reduced Cognitive Evaluation:** Minimal deliberation regarding product attributes, price, necessity, or consequences

5. **Disregard for Consequences:** Diminished consideration of financial, practical, or social implications of the purchase

These dimensions collectively describe the phenomenological experience of impulse buying, highlighting its affective intensity, cognitive simplicity, and behavioral immediacy.

Contemporary conceptualizations emphasize two core elements: (1) dispositional lack of planning and preparation, and (2) tendency to base purchasing decisions on immediate impulses that culminate in near-spontaneous behavior following product attraction (Rook et al., 1995; Verplanken et al., 2001; Youn & Faber, 2000).

3. THEORETICAL FRAMEWORKS

3.1 Psychological Reactance Theory

Psychological reactance theory, originally formulated by Brehm (1966), provides a valuable framework for understanding consumer responses to constraints and limitations. The theory posits that when individuals perceive threats to their behavioral freedom, they experience motivational arousal that increases the attractiveness of the threatened behavior and motivates efforts to restore freedom (Brehm, 1966; Brehm et al., 1972; Hammock & Brehm, 1966).

According to the theory, the magnitude of reactance varies as a function of: (1) the importance of the threatened freedom to the individual, (2) the proportion of freedoms threatened, and (3) the strength of the threat (Brehm, 1966). When freedom is eliminated or threatened, individuals experience psychological reactance—a motivational state directed toward freedom restoration.

Application to Consumer Behavior: Clee and Wicklund (1980) recognized the broad applicability of reactance theory to consumer contexts where freedom is restricted or threatened, including high-pressure sales tactics, product unavailability, and price increases. Product scarcity—whether due to limited quantities, product discontinuation, waiting lines, or physical distance—can restrict consumer freedom and trigger reactance (Clee & Wicklund, 1980).

Reactance theory predicts that when consumers' freedom to choose among alternatives is threatened by unavailability, they experience increased attraction to the unavailable product, regardless of initial preferences (Brehm, 1966). This phenomenon has been demonstrated across various consumer contexts.

Empirical Support: Several studies have documented reactance effects in consumer behavior:

- Mazis et al. (1973) found that Miami residents, whose access to phosphate detergent was banned, evaluated the product more favorably than Tampa residents who faced no restrictions
- Lessne (1987) demonstrated that consumers exhibited higher purchase intentions for “one-day-only” promotional offers compared to “three-day-only” offers, suggesting that more severe temporal constraints increase reactance
- Aggarwal et al. (2011) investigated quantity-limited versus time-limited scarcity, finding that quantity limitations proved more effective in stimulating purchase intentions
- Gupta (2013) examined perceived scarcity in fast fashion retail, demonstrating that scarcity perceptions create urgency and influence stockpiling behavior

Contemporary Applications: Recent research has extended reactance theory to diverse domains:

- Rummel et al. (2000) found that adolescents showed increased preference for products that parents disapproved of, while younger children showed decreased preferences
- Bessarabova et al. (2013) demonstrated that freedom-threatening messages in environmental campaigns can produce boomerang effects, reducing persuasive effectiveness
- Jones et al. (2014) showed that requests for positive reviews decreased customer satisfaction ratings, suggesting reactance to perceived manipulation

3.2 Environmental Psychology Framework

The environmental psychology approach, developed by Mehrabian and Russell (1974), provides another influential framework for understanding impulse buying. The model proposes that environmental conditions elicit emotional responses, which in turn influence behavioral outcomes. The framework identifies three emotional dimensions characterizing responses to environmental stimuli: pleasure, arousal, and dominance.

Arousal as Mediating Variable: Arousal, defined as a feeling state ranging from excitement, stimulation, and alertness to tiredness, sleepiness, and boredom (Adelaar et al., 2003), serves as a particularly important mediating variable in impulse buying. In retail contexts, environmental stimuli—including store atmosphere, product displays, promotional messages, and social cues—can directly affect consumers' emotional states and subsequently influence purchasing behavior (Donovan & Rossiter, 1982).

Time and Quantity Constraints as Arousal Triggers: When behavioral freedom is restricted through time limitations or product scarcity, consumers experience motivational arousal. This arousal increases the attractiveness of threatened behaviors and motivates freedom restoration efforts. Decision time constraints and product limitations heighten consumers' sense of urgency, excitement, and tension. Consequently, consumers exposed to time-limited promotions experience greater stimulation and emotional activation than those exposed to standard promotions. Similarly, quantity-limited promotions generate higher arousal than unrestricted offers.

Arousal and Decision-Making: Elevated arousal levels influence information processing and decision-making in ways that facilitate impulse buying:

- Sanbonmatsu and Kardes (1988) found that highly aroused consumers rely more heavily on peripheral cues (such as product attractiveness) and experience difficulty accurately evaluating information
- Fedorikhin and Patrick (2010) argued that high arousal impedes intentional affect regulation, leading consumers to focus on immediate gratification
- Research suggests that heightened arousal reduces resistance to temptation, increasing susceptibility to impulse purchases

Store Environment Effects: Environmental factors—including store atmosphere (music, scent, layout, colors), marketing mix elements (location, displays, promotions), and social cues (salesperson interactions)—have been associated with impulse buying (Donovan & Rossiter, 1982; Grewal & Sharma, 1991; Han et al., 1991; Mehrabian & Russell, 1974).

4. External Factors Influencing Impulse Buying

External factors refer to environmental stimuli and marketer-controlled cues that trigger impulse buying behavior (Wansink, 1994; Youn & Faber, 2000). These factors shape the shopping context and influence consumers' likelihood of making impulse purchases.

4.1 Store Environment and Atmosphere

The shopping environment represents a critical external factor influencing impulse buying. Store atmosphere encompasses sensory elements including music, scent, lighting, layout, colors, and overall ambiance. These atmospheric cues create psychological and emotional responses that influence purchasing behavior (Donovan & Rossiter, 1982; Mehrabian & Russell, 1974).

Research has consistently demonstrated that pleasant store atmospheres increase browsing time, positive affect, and impulse purchases. Environmental psychology principles suggest that atmospheric elements influence consumers' pleasure and arousal levels, which mediate behavioral outcomes including impulse buying.

4.2 In-Store Marketing Stimuli

In-store marketing stimuli have been identified as significant triggers of impulse buying (Dholakia, 2000; Iyer, 1989). These stimuli include point-of-purchase displays, shelf signage, promotional materials, product placement, and special displays.

Qualitative Evidence: Abratt and Goodey (1990) conducted face-to-face interviews examining consumers' memories of impulse purchases. Respondents frequently mentioned in-store cues—including shelf signage, pricing information, and special displays—as factors that reminded them of product needs and triggered recall impulse purchases.

Supermarket Context: Zhou and Wong (2003) investigated in-store stimuli effects in supermarkets through a mall intercept survey of 255 shoppers. Results indicated that promotional effects, particularly special discounts and reduced point-of-purchase prices, positively influenced impulse purchases.

Online Context: Dawson and Kim (2009) conducted content analysis of apparel websites based on focus group interviews, identifying 20 external impulse triggers in online clothing retail. These stimuli were classified into four categories:

1. **Sales:** Discounts, clearance events, flash sales
2. **Promotions:** Coupons, gifts with purchase, free shipping offers
3. **Ideas:** Recommended items, bestsellers, trending products
4. **Suggestions:** Coordinated items, customer reviews, personalized recommendations

The study concluded that while all external cues influenced impulse buying, their relative effectiveness varied across contexts and consumer segments.

4.3 Sales Promotions and Pricing Strategies

Sales promotions represent powerful triggers of impulse buying behavior. Promotional strategies create urgency, enhance perceived value, and reduce purchase barriers.

Immediate versus Delayed Rewards: Liao et al. (2009) investigated sales promotion effects on impulse buying through experimental research with 224 participants who purchased a specific cosmetic brand. After three months, participants received scenarios featuring the same brand offering promotions. Results demonstrated that sales promotions positively impacted impulse buying, with immediate rewards (such as instant price discounts) exerting stronger effects than delayed rewards (such as free promotional gifts with future purchases).

Scarcity Effects: Limited-time and limited-quantity promotions leverage scarcity principles to stimulate impulse purchases. Research indicates that quantity-limited constraints may be more effective than time-limited constraints in certain contexts (Aggarwal et al., 2011). Scarcity messages create competitive feelings among consumers and heighten purchase urgency.

4.4 Product Display and Placement

Product display strategies significantly influence impulse buying likelihood. Strategic placement in high-traffic areas, eye-level positioning, and attractive visual merchandising increase product exposure and purchase probability. Impulse items are typically positioned near checkout areas, endcaps, and other high-visibility locations to maximize exposure during shopping trips.

4.5 Social Influences

Social cues, including interactions with salespeople, shopping companions, and other customers, influence impulse buying behavior. Positive social interactions can enhance shopping enjoyment and reduce purchase inhibitions. Conversely, perceived social pressure or judgment may constrain impulse buying in certain contexts.

5. Internal Factors Influencing Impulse Buying

Internal factors refer to individual characteristics, traits, and states that predispose consumers to impulse buying or influence their susceptibility to external triggers (Youn & Faber, 2000).

5.1 Dispositional Impulsivity

Impulsivity represents a personality trait characterized by tendency to act without careful consideration, difficulty with self-control, and limited reflection on future consequences (Fahy & Eisler, 1993). High impulsivity has been associated with various problematic behaviors, including pathological gambling (Rodriguez-Jimenez et al., 2006), problematic internet use (Lee et al., 2012), eating disorders (Scher et al., 2010), and risky behavior (Cheng & Lee, 2012).

In consumer behavior contexts, dispositional impulsivity is significantly associated with impulse buying (Youn & Faber, 2000). Impulsive consumers exhibit spontaneous, reckless, and careless consumption patterns. They experience greater difficulty resisting purchase urges and are more susceptible to environmental triggers.

Research distinguishes between individuals who are characteristically “impulse buyers” and those who are not, suggesting stable individual differences in impulse buying propensity (Youn & Faber, 2000). These dispositional differences interact with situational factors to determine actual impulse buying behavior.

5.2 Emotional States and Mood

Consumers' emotional states and moods significantly influence impulse buying behavior. Positive moods may increase impulse buying through enhanced pleasure and reduced inhibition. Negative moods may also trigger impulse buying as consumers seek mood repair through hedonic consumption (Rook & Gardner, 1993).

Impulse buying fulfills hedonic needs, including pleasure, novelty, and surprise. Shopping itself can provide relaxation and mood enhancement, particularly for individuals experiencing negative emotional states (Rook, 1987; Hausman, 2000). The immediate gratification associated with impulse purchases offers emotional rewards that reinforce the behavior.

5.3 Shopping Orientation and Involvement

Consumers' shopping orientations—their general approaches to and attitudes toward shopping—influence impulse buying propensity. Recreational shoppers who view shopping as entertainment and leisure activity exhibit higher impulse buying than utilitarian shoppers focused primarily on task completion.

Product category involvement also affects impulse buying likelihood. Higher involvement with specific product categories increases attention to related products and susceptibility to impulse purchases within those categories.

5.4 Demographic Characteristics

Demographic variables, including age, gender, income, and education, have been investigated as potential predictors of impulse buying. However, research findings regarding demographic effects have been mixed, suggesting that psychological and situational factors may be more important determinants than basic demographics.

Some studies suggest that younger consumers and females exhibit higher impulse buying tendencies, though these relationships may be moderated by product categories and shopping contexts. Income effects are complex: higher income may facilitate impulse buying by reducing financial constraints, but may also be associated with more deliberate purchasing patterns.

5.5 Self-Identity and Self-Concept

Consumers' self-concepts and desired identities influence impulse buying behavior. Products that align with or enhance self-identity are more likely to trigger impulse purchases. Dittmar and Drury (1999) found that consumers use possessions to express and construct self-identity, with impulse purchases sometimes serving identity-related functions.

6. Temporal Factors: Time Availability and Time Pressure

Temporal factors play a complex and somewhat paradoxical role in impulse buying behavior. Research has examined both time availability and time pressure as potential influences on impulse purchases.

6.1 Time Availability and Browsing

Several studies have documented a positive relationship between time availability and impulse buying. Beatty and Ferrell (1998) proposed that consumers with more available time engage in more extensive browsing, which increases exposure to products and marketing stimuli, thereby enhancing impulse buying likelihood. Longer browsing time provides more opportunities for products to capture attention and trigger purchase urges.

Supporting this perspective, time available for shopping tasks has been positively associated with impulse buying across various contexts (Bellenger et al., 1978; Iyer, 1989; Jarboe & McDaniel, 1987; Park et al., 1989). Park and Lennon (2006) reported similar findings in television shopping environments, where longer viewing time correlated with higher impulse buying tendency.

The underlying logic suggests that increased time availability enhances exposure to marketing stimuli and provides opportunities for products to attract attention and generate purchase urges.

6.2 Time Pressure and Purchase Constraints

Conversely, time pressure has been conceptualized as a constraint that may actually increase impulse buying under certain conditions. Iyer (1989) argued that time-pressured shoppers focus on completing planned purchases efficiently, potentially reducing consideration of unplanned items. This perspective suggests time pressure should decrease impulse buying.

However, more recent research examining insufficient purchase conditions has yielded different insights (Aggarwal et al., 2011; Bae & Lee, 2005). Studies in advertising and retail contexts have investigated limited purchase opportunities, finding that time constraints can actually stimulate impulse buying by creating urgency and leveraging psychological reactance (Inman et al., 1997; Suri et al., 2007).

6.3 Reconciling Contradictory Findings

The seemingly contradictory findings regarding temporal effects may be reconciled by distinguishing between:

1. **Time available for shopping:** More time enables browsing and product exposure, facilitating impulse buying
2. **Time-limited promotional offers:** Scarcity-based time constraints create urgency and reactance, stimulating impulse buying
3. **Time pressure to complete shopping:** Task-focused time pressure reduces attention to non-essential items, inhibiting impulse buying

These different temporal dimensions may exert distinct effects on impulse buying, explaining apparently inconsistent research findings. Context-specific factors likely moderate these relationships.

7. Impulse Buying Across Shopping Contexts

Impulse buying has been investigated across diverse shopping contexts, including traditional brick-and-mortar stores, online e-commerce platforms, and television shopping channels. While core psychological mechanisms remain consistent, context-specific factors influence impulse buying manifestation.

7.1 Traditional Retail Environments

In physical retail stores, impulse buying is facilitated by:

- Direct sensory engagement with products (touch, smell, visual inspection)
- Immediate product availability and gratification
- Store atmosphere and environmental cues
- Social presence of other shoppers and salespeople
- Strategic product placement and displays
- In-store promotional materials and signage

Traditional retail environments offer rich sensory experiences that online contexts cannot fully replicate, potentially facilitating certain types of impulse purchases.

7.2 Online Shopping Environments

Online shopping presents unique characteristics influencing impulse buying:

Facilitating Factors: - Convenience and accessibility (24/7 shopping) - Extensive product variety and selection - Personalized recommendations based on browsing history - One-click purchasing and saved payment information - Flash sales and time-limited online promotions - Customer reviews and social proof - Reduced social inhibition

Inhibiting Factors: - Lack of physical product interaction - Delayed gratification (shipping time) - Shipping costs creating purchase barriers - Potential for more deliberate comparison shopping - Easier price comparison across retailers

Research suggests that online impulse buying is growing rapidly as e-commerce expands (Jeffrey & Hodge, 2007). The simplicity and variety of online shopping represent key factors driving consumer preference for digital platforms over traditional stores.

7.3 Television Shopping Channels

Television shopping programs combine elements of both traditional and online retail:

- Visual product demonstrations
- Persuasive host presentations
- Time-limited offers creating urgency
- Convenient phone or online ordering
- Parasocial relationships with program hosts

Park and Lennon (2004) investigated television apparel shopping, finding that impulse buying and parasocial interaction significantly influenced purchasing behavior in this context.

7.4 Comparative Considerations

While impulse buying occurs across all shopping contexts, the relative influence of specific factors varies by channel. Physical stores leverage sensory engagement and immediate gratification, while online platforms offer convenience, variety, and personalized recommendations. Television shopping combines visual demonstration with urgency-creating time constraints.

Limited research has directly compared impulse buying across contexts using consistent methodologies and measures. This represents an important gap in the literature, as understanding context-specific mechanisms could inform channel-appropriate marketing strategies.

8. Synthesis and Critical Analysis

8.1 Multifaceted Nature of Impulse Buying

The literature review reveals that impulse buying represents a complex phenomenon influenced by multiple interacting factors. Both external environmental stimuli and internal individual characteristics contribute to impulse purchase likelihood. The interaction between situational triggers and dispositional tendencies determines actual impulse buying behavior in specific contexts.

8.2 Theoretical Integration

Multiple theoretical frameworks contribute to understanding impulse buying:

- **Psychological reactance theory** explains how scarcity and constraints increase product attractiveness and purchase urgency
- **Environmental psychology** illuminates how store atmosphere influences emotional states that mediate purchasing behavior
- **Self-regulation theories** address impulse control mechanisms and their failure
- **Affective decision-making models** highlight the role of emotions in impulse purchases

Integration of these frameworks suggests that impulse buying results from environmental triggers that activate emotional responses, which overwhelm or bypass rational decision-making processes in individuals with varying dispositional susceptibility.

8.3 Methodological Considerations

Research on impulse buying has employed diverse methodologies, including:

- Qualitative interviews and focus groups
- Quantitative surveys and questionnaires
- Experimental manipulations
- Observational studies
- Content analysis

This methodological diversity strengthens the overall evidence base, though it also creates challenges for direct comparison across studies. Future research would benefit from standardized measurement instruments and consistent operational definitions.

8.4 Practical Implications

For Retailers and Marketers: - Strategic product placement in high-traffic areas maximizes impulse purchase opportunities - Store atmosphere design should consider emotional impact on shoppers - Sales promotions leveraging scarcity principles (limited time, limited quantity) effectively stimulate impulse buying - In-store stimuli (displays, signage, special offers) serve as powerful impulse triggers - Online platforms should incorporate urgency cues, personalized recommendations, and simplified checkout processes - Understanding consumer segments based on impulsivity can enable targeted marketing strategies

For Consumers: - Awareness of impulse buying triggers can facilitate more conscious purchasing decisions - Shopping with lists and predetermined budgets may reduce unplanned purchases - Recognizing emotional states that increase impulse buying susceptibility enables better self-regulation - Understanding marketing tactics designed to stimulate impulse purchases empowers consumer resistance

For Policymakers: - Consumer protection regulations may address potentially manipulative marketing practices - Financial literacy programs should include education about impulse buying and its consequences - Vulnerable populations (e.g., those with compulsive tendencies) may require special protections

9. Research Gaps and Future Directions

Despite extensive research on impulse buying, several important gaps remain:

9.1 Digital and Mobile Commerce

The rapid growth of online shopping, mobile commerce, and social media shopping requires updated investigation. Specific areas needing research include:

- Impulse buying in mobile app environments
- Social commerce and influencer marketing effects on impulse purchases
- Role of augmented reality and virtual reality in online impulse buying
- Impact of subscription services and auto-replenishment on impulse behavior
- Cryptocurrency and alternative payment methods' influence on impulse buying

9.2 Cross-Context Comparisons

Limited research has systematically compared impulse buying across shopping contexts using consistent methodologies. Future studies should:

- Employ within-subject designs comparing impulse buying across channels
- Investigate how the same consumers exhibit different impulse buying patterns in different contexts
- Examine omnichannel shopping behaviors and impulse buying
- Analyze how consumers' channel preferences relate to impulse buying tendencies

9.3 Cultural and International Perspectives

Most impulse buying research has been conducted in Western, developed economies. Additional research is needed examining:

- Cultural differences in impulse buying prevalence and patterns

- Role of cultural values (individualism-collectivism, uncertainty avoidance) in impulse buying
- Impulse buying in emerging markets and developing economies
- Cross-cultural validity of impulse buying measurement instruments

9.4 Neurological and Biological Factors

Emerging neuroscience methods offer opportunities to investigate:

- Brain activity patterns during impulse buying episodes
- Neurological differences between impulse buyers and non-impulse buyers
- Hormonal and biological factors influencing impulse control
- Genetic predispositions to impulsive consumption

9.5 Long-Term Consequences

While research has examined immediate impulse buying triggers, less attention has been devoted to:

- Long-term financial consequences of habitual impulse buying
- Relationship between impulse buying and debt accumulation
- Impulse buying's impact on consumer well-being and life satisfaction
- Developmental trajectories of impulse buying across the lifespan

9.6 Intervention Strategies

Limited research has investigated interventions to help consumers manage impulse buying:

- Effectiveness of self-regulatory strategies and implementation intentions
- Digital tools and apps for impulse buying management
- Mindfulness-based interventions for impulse control
- Educational programs to increase awareness of impulse buying triggers

9.7 Methodological Advances

Future research would benefit from:

- Longitudinal designs tracking impulse buying over time
- Experience sampling methods capturing real-time impulse buying episodes
- Big data analytics using actual purchase transaction data
- Machine learning approaches to predict impulse buying likelihood

9.8 Theoretical Development

Theoretical advancement requires:

- Integration of multiple theoretical frameworks into comprehensive models
- Development of context-specific theories for digital environments
- Investigation of moderating and mediating mechanisms
- Exploration of boundary conditions for established relationships

10. CONCLUSION

This comprehensive review has synthesized five decades of research on impulse buying behavior, examining the multifaceted factors that influence this important consumer phenomenon. Impulse buying emerges as a complex behavior resulting from the interplay of external environmental stimuli and internal individual characteristics, mediated by emotional and cognitive processes.

Key findings from the literature include:

1. **Conceptual Clarity:** Impulse buying is distinct from compulsive buying and other forms of unplanned purchasing, characterized by spontaneity, minimal deliberation, and immediate action following sudden purchase urges.
2. **Theoretical Foundations:** Psychological reactance theory and environmental psychology provide valuable frameworks for understanding how scarcity, constraints, and atmospheric cues influence impulse buying through emotional arousal and perceived freedom threats.
3. **External Triggers:** Store environment, in-store marketing stimuli, sales promotions, product displays, and social influences serve as powerful external triggers of impulse purchases. Promotional strategies leveraging scarcity principles (limited time, limited quantity) effectively stimulate impulse buying.
4. **Internal Factors:** Dispositional impulsivity, emotional states, shopping orientations, and self-concept influence individual susceptibility to impulse buying. Significant individual differences exist in impulse buying propensity.
5. **Temporal Dynamics:** Time availability facilitates browsing and product exposure, while time-limited promotions create urgency through psychological reactance. These different temporal dimensions exert distinct effects on impulse buying.
6. **Context Variations:** While core psychological mechanisms remain consistent, impulse buying manifests differently across traditional retail, online, and television shopping contexts. Each channel offers unique facilitating and inhibiting factors.

The growing importance of impulse buying in contemporary consumer culture—particularly in rapidly expanding digital retail environments—underscores the need for continued research. The simplicity, convenience, and variety offered by online shopping platforms are driving consumer preferences and creating new opportunities for impulse purchases.

Significant research gaps remain, particularly regarding impulse buying in emerging digital contexts (mobile commerce, social commerce, augmented reality shopping), cross-cultural comparisons, neurological mechanisms, long-term consequences, and intervention strategies. Future research addressing these gaps will advance both theoretical understanding and practical applications.

For academic researchers, this review provides a comprehensive foundation for developing more sophisticated theoretical models and designing empirical investigations that address identified gaps. For marketing practitioners, the synthesis offers insights into effective strategies for stimulating impulse purchases while maintaining ethical standards. For consumers, understanding impulse buying mechanisms can facilitate more conscious, intentional purchasing decisions.

As retail environments continue to evolve with technological advances and changing consumer preferences, impulse buying will remain a critical area of investigation. The intersection of psychological principles, marketing practices, and technological capabilities will shape future impulse buying patterns, requiring ongoing research attention to understand and address this fundamental aspect of consumer behavior.

REFERENCES

1. AARP. (2010). To buy or not to buy: Shopping behavior in a recession economy. A survey of Washington residents 18+. Author.
2. Abratt, R., & Goodey, S. D. (1990). Unplanned buying and in-store stimuli in supermarkets. *Managerial and Decision Economics*, 11(2), 111–121. <https://doi.org/10.1002/mde.4090110204>
3. Adelaar, T., Chang, S., Lancendorfer, K. M., Lee, B., & Morimoto, M. (2003). Effects of media formats on emotions and impulse buying intent. *Journal of Information Technology*, 18(4), 247–266. <https://doi.org/10.1080/0268396032000150799>
4. Aggarwal, P., Jun, S. Y., & Huh, J. H. (2011). Scarcity messages: A consumer competition perspective. *Journal of Advertising*, 40(3), 19–30. <https://doi.org/10.2753/JOA0091-3367400302>
5. Bae, S., & Lee, T. (2005). Product type and consumers' perception of online consumer reviews. *Electronic Markets*, 15(4), 255–266.
6. Beatty, S. E., & Ferrell, M. E. (1998). Impulse buying: Modeling its precursors. *Journal of Retailing*, 74(2), 169–191. [https://doi.org/10.1016/S0022-4359\(99\)80092-X](https://doi.org/10.1016/S0022-4359(99)80092-X)
7. Bellenger, D. N., Robertson, D. H., & Hirschman, E. C. (1978). Impulse buying varies by product. *Journal of Advertising Research*, 18(6), 15–18.
8. Bessarabova, E., Fink, E. L., & Turner, M. M. (2013). Reactance, restoration, and cognitive structure: Comparative statics. *Human Communication Research*, 39(3), 339–364. <https://doi.org/10.1111/hcre.12007>
9. Brehm, J. W. (1966). A theory of psychological reactance. Academic Press.
10. Brehm, S. S., & Brehm, J. W. (1981). Psychological reactance: A theory of freedom and control. Academic Press.
11. Business Trends. (2010, February 25). New frugality may be an enduring feature of post-recession economy. *Business Trends*.
12. Cheng, C., & Lee, S. Y. (2012). Impulsivity and deliberation: Influences on risk behavior. *Journal of Behavioral Decision Making*, 25(4), 346–357.
13. Clee, M. A., & Wicklund, R. A. (1980). Consumer behavior and psychological reactance. *Journal of Consumer Research*, 6(4), 389–405. <https://doi.org/10.1086/208782>
14. Dawson, S., & Kim, M. (2009). External and internal trigger cues of impulse buying online. *Direct Marketing: An International Journal*, 3(1), 20–34. <https://doi.org/10.1108/17505930910945714>
15. Dholakia, U. M. (2000). Temptation and resistance: An integrated model of consumption impulse formation and enactment. *Psychology & Marketing*, 17(11), 955–982. [https://doi.org/10.1002/1520-6793\(200011\)17:11<955::AID-MAR3>3.0.CO;2-J](https://doi.org/10.1002/1520-6793(200011)17:11<955::AID-MAR3>3.0.CO;2-J)
16. Dittmar, H., Beattie, J., & Friese, S. (1995). Gender identity and material symbols: Objects and decision considerations in impulse purchases. *Journal of Economic Psychology*, 16(3), 491–511. [https://doi.org/10.1016/0167-4870\(95\)00023-H](https://doi.org/10.1016/0167-4870(95)00023-H)
17. Dittmar, H., & Drury, J. (1999). Self-image—Is it in the bag? A qualitative comparison between “ordinary” and “excessive” consumers. *Journal of Economic Psychology*, 21(2), 109–142. [https://doi.org/10.1016/S0167-4870\(99\)00039-2](https://doi.org/10.1016/S0167-4870(99)00039-2)
18. Donovan, R. J., & Rossiter, J. R. (1982). Store atmosphere: An environmental psychology approach. *Journal of Retailing*, 58(1), 34–57.
19. Fahy, T. A., & Eisler, I. (1993). Impulsivity and eating disorders. *British Journal of Psychiatry*, 162(2), 193–197. <https://doi.org/10.1192/bjp.162.2.193>
20. Fedorikhin, A., & Patrick, V. M. (2010). Positive mood and resistance to temptation: The interfering influence of elevated arousal. *Journal of Consumer Research*, 37(4), 698–711. <https://doi.org/10.1086/655665>
21. Grewal, D., & Sharma, A. (1991). The effect of salesforce behavior on customer satisfaction: An interactive framework. *Journal of Personal Selling & Sales Management*, 11(3), 13–23.
22. Gupta, S. (2013). The psychological effects of perceived scarcity on consumers' buying behavior. Doctoral dissertation, University of Nebraska.

23. Hammock, T., & Brehm, J. W. (1966). The attractiveness of choice alternatives when freedom to choose is eliminated by a social agent. *Journal of Personality*, 34(4), 546–554. <https://doi.org/10.1111/j.1467-6494.1966.tb02366.x>
24. Han, Y. K., Morgan, G. A., Kotsiopoulos, A., & Kang-Park, J. (1991). Impulse buying behavior of apparel purchasers. *Clothing and Textiles Research Journal*, 9(3), 15–21. <https://doi.org/10.1177/0887302X9100900303>
25. Hausman, A. (2000). A multi-method investigation of consumer motivations in impulse buying behavior. *Journal of Consumer Marketing*, 17(5), 403–426. <https://doi.org/10.1108/07363760010341045>
26. Inman, J. J., Peter, A. C., & Raghurir, P. (1997). Framing the deal: The role of restrictions in accentuating deal value. *Journal of Consumer Research*, 24(1), 68–79. <https://doi.org/10.1086/209494>
27. Iyer, E. S. (1989). Unplanned purchasing: Knowledge of shopping environment and time pressure. *Journal of Retailing*, 65(1), 40–57.
28. Jarboe, G. R., & McDaniel, C. D. (1987). A profile of browsers in regional shopping malls. *Journal of the Academy of Marketing Science*, 15(1), 46–53. <https://doi.org/10.1007/BF02721952>
29. Jeffrey, S. A., & Hodge, R. (2007). Factors influencing impulse buying during an online purchase. *Electronic Commerce Research*, 7(3-4), 367–379. <https://doi.org/10.1007/s10660-007-9011-8>
30. Jones, M. A., Reynolds, K. E., Weun, S., & Beatty, S. E. (2014). The product-specific nature of impulse buying tendency. *Journal of Business Research*, 56(7), 505–511.
31. Kollat, D. T., & Willett, R. P. (1967). Customer impulse purchasing behavior. *Journal of Marketing Research*, 4(1), 21–31. <https://doi.org/10.2307/3150160>
32. Kollat, D. T., & Willett, R. P. (1969). Is impulse purchasing really a useful concept for marketing decisions? *Journal of Marketing*, 33(1), 79–83. <https://doi.org/10.2307/1248930>
33. LaRose, R. (2001). On the negative effects of e-commerce: A socio-cognitive exploration of unregulated on-line buying. *Journal of Computer-Mediated Communication*, 6(3). <https://doi.org/10.1111/j.1083-6101.2001.tb00120.x>
34. Lee, H. W., Choi, J. S., Shin, Y. C., Lee, J. Y., Jung, H. Y., & Kwon, J. S. (2012). Impulsivity in internet addiction: A comparison with pathological gambling. *Cyberpsychology, Behavior, and Social Networking*, 15(7), 373–377. <https://doi.org/10.1089/cyber.2012.0063>
35. Lessne, G. J. (1987). The impact of advertising message involvement on ad processing. Doctoral dissertation, University of Illinois at Urbana-Champaign.
36. Li, S. (1995). Survival analysis. *Marketing Research*, 7(3), 17–23.
37. Liao, S. L., Shen, Y. C., & Chu, C. H. (2009). The effects of sales promotion strategy, product appeal and consumer traits on reminder impulse buying behaviour. *International Journal of Consumer Studies*, 33(3), 274–284. <https://doi.org/10.1111/j.1470-6431.2009.00770.x>
38. Mazis, M. B., Settle, R. B., & Leslie, D. C. (1973). Elimination of phosphate detergents and psychological reactance. *Journal of Marketing Research*, 10(4), 390–395. <https://doi.org/10.2307/3149383>
39. Mehrabian, A., & Russell, J. A. (1974). An approach to environmental psychology. MIT Press.
40. Nguyen, T. T. M., Jung, K., Lantz, G., & Loeb, S. G. (2003). An exploratory investigation into impulse buying behavior in a transitional economy: A study of urban consumers in Vietnam. *Journal of International Marketing*, 11(2), 13–35. <https://doi.org/10.1509/jimk.11.2.13.20162>
41. O'Guinn, T. C., & Faber, R. J. (1989). Compulsive buying: A phenomenological exploration. *Journal of Consumer Research*, 16(2), 147–157. <https://doi.org/10.1086/209204>
42. Park, E. J., Kim, E. Y., & Forney, J. C. (1989). A structural model of fashion-oriented impulse buying behavior. *Journal of Fashion Marketing and Management*, 10(4), 433–446.
43. Park, J. H., & Lennon, S. J. (2004). Television apparel shopping: Impulse buying and parasocial interaction. *Clothing and Textiles Research Journal*, 22(3), 135–144. <https://doi.org/10.1177/0887302X0402200305>
44. Park, J., & Lennon, S. J. (2006). Psychological and environmental antecedents of impulse buying tendency in the multichannel shopping context. *Journal of Consumer Marketing*, 23(2), 56–66.
45. <https://doi.org/10.1108/07363760610654998>
46. Rodriguez-Jimenez, R., Avila, C., Jimenez-Arriero, M. A., Ponce, G., Monasor, R., Jimenez, M., Aragues, M., Hoenicka, J., Rubio, G., & Palomo, T. (2006). Impulsivity and sustained attention in pathological gamblers: Influence of childhood ADHD history. *Journal of Gambling Studies*, 22(4), 451–461.
47. <https://doi.org/10.1007/s10899-006-9028-2>
48. Rook, D. W. (1987). The buying impulse. *Journal of Consumer Research*, 14(2), 189–199.
49. <https://doi.org/10.1086/209105>
50. Rook, D. W., & Fisher, R. J. (1995). Normative influences on impulsive buying behavior. *Journal of Consumer Research*, 22(3), 305–313. <https://doi.org/10.1086/209452>
51. Rook, D. W., & Gardner, M. P. (1993). In the mood: Impulse buyings' affective antecedents. *Research in Consumer Behavior*, 6, 1–28.
52. Rook, D. W., & Hoch, S. J. (1985). Consuming impulses. *Advances in Consumer Research*, 12, 23–27.
53. Rummel, A., Howard, J., Swinton, J. M., & Seymour, D. B. (2000). You can't have that! A study of reactance effects and children's consumer behavior. *Journal of Marketing Theory and Practice*, 8(1), 38–45. <https://doi.org/10.1080/10696679.2000.11501858>

-
54. Sanbonmatsu, D. M., & Kardes, F. R. (1988). The effects of physiological arousal on information processing and persuasion. *Journal of Consumer Research*, 15(3), 379–385. <https://doi.org/10.1086/209178>
55. Scher, C. D., Ingram, R. E., & Segal, Z. V. (2010). Cognitive reactivity and vulnerability: Empirical evaluation of construct activation and cognitive diatheses in unipolar depression. *Clinical Psychology Review*, 25(4), 487–510.
56. Stern, H. (1962). The significance of impulse buying today. *Journal of Marketing*, 26(2), 59–62.
57. <https://doi.org/10.2307/1248439>
58. Suri, R., Manchanda, R. V., & Kohli, C. S. (2007). Comparing fixed price and discounting strategies: The role of affect on evaluations. *Journal of Product & Brand Management*, 16(6), 392–400.
59. <https://doi.org/10.1108/10610420710823744>
60. Verplanken, B., Herabadi, A. G., Perry, J. A., & Silvera, D. H. (2001). Consumer style and health: The role of impulsive buying in unhealthy eating. *Psychology & Health*, 20(4), 429–441.
61. Wansink, B. (1994). Advertising's impact on category substitution. *Journal of Marketing Research*, 31(4), 505–515. <https://doi.org/10.2307/3151878>
- 62.
63. Youn, S., & Faber, R. J. (2000). Impulse buying: Its relation to personality traits and cues. *Advances in Consumer Research*, 27, 179–185.
64. Zhou, L., & Wong, A. (2003). Consumer impulse buying and in-store stimuli in Chinese supermarkets. *Journal of International Consumer Marketing*, 16(2), 37–53. https://doi.org/10.1300/J046v16n02_03