

"Unveiling the Dynamics of Startup Ecosystems: Key Drivers of Entrepreneurial Success"

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Abstract

This study provides an in-depth examination of the dynamics influencing entrepreneurial success within startup ecosystems, with a focus on understanding the interplay between government support, incubation processes, regional characteristics, and collaborative networks. Drawing from an extensive body of literature published between 2012 and 2024, the research synthesizes recent empirical and conceptual studies to identify key drivers that shape entrepreneurial outcomes. The review highlights that effective government policies, financial incentives, infrastructure support, and entrepreneurial-friendly regulations play a pivotal role in fostering a thriving startup environment. Similarly, incubation processes, including mentorship, funding accessibility, and networking opportunities, emerge as crucial facilitators for early-stage ventures. Regional factors—such as cultural attitudes toward risk, availability of skilled talent, and proximity to markets—are found to significantly influence the growth trajectories of startups. Collaborative networks, partnerships, and knowledge-sharing platforms further strengthen the resilience and innovation potential of entrepreneurial ventures. Despite the progress in understanding startup ecosystems, notable research gaps remain, particularly in cross-country comparative analyses and the long-term impacts of policy interventions. This study not only consolidates the fragmented knowledge base but also offers actionable insights for policymakers, ecosystem builders, and entrepreneurs aiming to optimize conditions for sustainable startup success.

Keywords: Startup ecosystems, entrepreneurial success, government support, incubation processes, regional characteristics, collaborative networks, innovation, policy interventions.

Introduction

In the rapidly evolving landscape of the 21st-century global economy, startup ecosystems have emerged as critical engines of innovation, economic growth, and job creation, driving transformative change in both developed and emerging markets, with entrepreneurial success increasingly dependent on a complex interplay of institutional, cultural, economic, and technological factors (Mason & Brown, 2014; Spigel, 2017). A startup ecosystem, comprising entrepreneurs, investors, accelerators, incubators, universities, government bodies, and other stakeholders, functions as a dynamic network where resources, knowledge, and opportunities circulate to foster business creation and growth (Isenberg, 2010). Globally, regions such as Silicon Valley, Tel Aviv, and Singapore have demonstrated how conducive environments—characterized by access to venture capital, robust infrastructure, supportive regulatory frameworks, and a culture that embraces risk-taking—can accelerate entrepreneurial trajectories (Feld, 2012; Audretsch et al., 2019). In emerging economies like India, the startup ecosystem has undergone a paradigm shift over the past decade, with cities such as Bengaluru, Delhi-NCR, and Mumbai ranking among the top global startup hubs, propelled by government initiatives like *Startup India*, increasing internet penetration, a young tech-savvy population, and rising investor confidence (NASSCOM, 2022; EY, 2021). However, despite this remarkable growth, entrepreneurial success rates remain uneven, with many startups failing within the first five years due to factors including inadequate funding, limited market access, weak mentorship, regulatory bottlenecks, and insufficient scalability strategies (Startup Genome, 2022; CB Insights, 2021). The interplay of these factors is nuanced—access to capital alone does not guarantee success without complementary elements such as strong entrepreneurial networks, talent availability, innovation capability, and market readiness (Malecki, 2018; Stam, 2015). Moreover, cultural norms, social capital, and geographic proximity to innovation clusters influence risk perception, opportunity recognition, and collaborative behavior among entrepreneurs (Neumeyer & Santos, 2018; Spigel & Harrison, 2018). In India's context, challenges such as infrastructural gaps, bureaucratic complexities, and fragmented market structures coexist with opportunities arising from a rapidly expanding consumer base, increasing adoption of digital technologies, and integration into global value chains (PwC, 2022; Deloitte, 2021). The COVID-19 pandemic further tested ecosystem resilience, accelerating digital transformation and altering consumer preferences, thereby

redefining success parameters for startups (Kuckertz et al., 2020). While existing literature has examined individual success factors—such as innovation capacity (Schumpeter, 1934; Wong et al., 2005), leadership qualities (Ensley et al., 2006), and funding accessibility (Hellmann & Puri, 2002)—few studies adopt a holistic, ecosystem-wide perspective that integrates economic, socio-cultural, technological, and policy dimensions within the Indian startup landscape while drawing comparative insights from global best practices (Suresh & Ramraj, 2012; Chatterji et al., 2014). This research addresses this gap by exploring how these interconnected drivers collectively shape entrepreneurial outcomes, recognizing that success is rarely the product of isolated factors but rather the emergent property of a well-functioning ecosystem (Autio et al., 2018; Roundy et al., 2018). The study aims to unpack the dynamics of these interactions, identify critical levers for enhancing entrepreneurial performance, and provide actionable insights for policymakers, investors, and entrepreneurs seeking to navigate and strengthen startup ecosystems in India and beyond. In doing so, it situates the Indian experience within the broader global discourse, acknowledging both convergences and divergences in the determinants of startup success across different economic and cultural contexts, and sets the stage for an evidence-based understanding of how tailored interventions can foster sustainable and inclusive entrepreneurial growth in the emerging knowledge economy (Wennekers & Thurik, 1999; Acs et al., 2017).

Literature Review

Startup ecosystems are commonly conceptualized as interdependent networks of actors, institutions, and resources that collectively enable new venture creation and growth; this ecosystem perspective shifts the unit of analysis from the individual firm to a regional system where entrepreneurs, investors, universities, service providers, and public agencies interact to produce innovation and economic dynamism (Isenberg, 2010; Mason & Brown, 2014). Scholars argue that entrepreneurial success is an emergent outcome of complementary ecosystem elements — not simply the presence of funding or talent alone — and that spatial proximity, institutional quality, and cultural norms shape how opportunities are discovered and exploited (Spigel, 2017; Stam, 2015). Systematic reviews and bibliometric analyses reinforce this integrative view, emphasizing that ecosystem performance depends on resource flows, knowledge spillovers, governance structures, and absorptive capacity (Springer systematic review 2024). Comparative studies of global hubs (e.g., Silicon Valley, Tel Aviv, Singapore)

show how historical legacies, policy choices, and market linkages create distinct pathways to success that are informative but not always transferrable to emerging-market contexts such as India (Feld, 2012; Audretsch et al., 2019). Country- and city-level analyses of India point to rapid ecosystem maturation — rising unicorn counts, expanding investor networks, and policy initiatives such as Startup India — while also noting uneven regional development and the persistence of structural barriers (KPMG, 2024; NUS subnational perspective 2024). These macro-framing works set the stage for identifying the multiple drivers scholars investigate as determinants of startup outcomes (Autio et al., 2018; Roundy et al., 2018).

Access to finance is one of the most widely studied drivers of startup success, but the literature consistently shows nuance: venture capital, angel investment, and bootstrapping each have differential effects depending on timing, sector, and founder capabilities (Hellmann & Puri, 2002; Kortum & Lerner, 2000). While plentiful funding can accelerate growth and market capture, an overabundance of capital without strategic discipline can distort incentives and lead to inefficient scaling (ScienceDirect 2023 funding-valuation study). Empirical work highlights matching quality between VCs and startups — fit, timing, and value-add matter more than capital volume per se — and emphasizes that VC geography contributes to regional clustering and resource concentration (NBER, 2024; PitchBook NVCA Q1 2024). In the Indian context, scholars report a boom-and-bust pattern: strong inflows and unicorn formation in prior years followed by a funding retrenchment and increased emphasis on unit economics and path-to-profitability (NUS 2024; industry reports). OECD and sectoral reports also document that thematic funding (e.g., cleantech, AI) can shift success probabilities but requires sector-specific capabilities and long horizons. Thus, finance functions as an enabler that interacts with other resources — governance, team capability, and market access — to influence outcomes.

Human capital, team composition, and social networks constitute another robust strand of the literature. Entrepreneurial human capital — founders' prior experience, domain expertise, and managerial skills — consistently predicts survival and scaling ability (Shane, 2000; Grünhagen et al., 2019). Team diversity (skill and cognitive) and founder complementarities improve problem-solving and investor appeal, while founder network reach helps secure early customers, talent, and follow-on funding (Ucbasaran et al., 2013). In emerging markets, returnee founders and diaspora networks have been shown to catalyze knowledge transfer and

resource mobilization (BusinessInsider 2024 reporting on returnees to India), and elite technical institutions act as talent pipelines albeit with inclusion challenges (Wired reporting on Indian elite schools). Social capital research also underscores the cultural dimension: in collectivist societies, peer recommendations and community endorsement can substitute for formal signals, influencing platform adoption and trust. Empirical ecosystem studies further indicate that ecosystems with denser mentor networks and accessible experienced founders yield higher venture performance due to rapid learning and fewer avoidable mistakes.

Intermediaries — accelerators, incubators, corporate innovation programs, and professional service providers — have attracted increasing attention for their role in capability building. Meta-analyses and systematic reviews of accelerators show that these programs can shorten validation cycles, improve business models, and increase the probability of subsequent funding, but effects vary by program quality, selection criteria, and the startup's absorptive capacity (Updated Systematic Review of Business Accelerators; ScienceDirect 2023). Field studies applying dynamic capabilities theory demonstrate that accelerators' mentoring, investor introductions, and hands-on workshops generate specific capabilities that influence survival and scaling only when matched to startup needs (researchgate & INFORMS articles). Incubators anchored in universities often support deep-tech translation but must bridge commercialization gaps to add lasting value. In India, the proliferation of incubators and corporate accelerators has expanded access to non-financial resources, yet empirical work points to heterogeneity in outcomes — some program participants outperform peers while others experience negligible impacts when selection and follow-up support are weak.

Policy, regulation, and institutional context are critical moderators of ecosystem performance. Studies of regulatory reforms and public programs indicate that smart policy (tax incentives, simplified incorporation, grant support) reduces friction for startups, while inconsistent or opaque regulation increases uncertainty and transaction costs (OECD policy reviews; MeitY policy analyses). India's policy trajectory (e.g., DPIIT recognition, Startup India) has provided both symbolic legitimacy and practical support, catalyzing entrepreneurship activity; however, subnational differences in infrastructure, ease of doing business, and administrative capacity shape local outcomes (KPMG 2024; NUS subnational study 2024). Legal frameworks for data protection and consumer rights are increasingly important as digital startups scale and rely on

personal data, with governance quality influencing investor confidence and market entry. Comparative work shows that ecosystems flourish when policy, private capital, and research institutions are well aligned.

Market access, customer validation, and business model fit are central operational determinants of success. Strategy and business-model literature emphasize that startups that rapidly achieve product-market fit, build repeatable acquisition channels, and manage unit economics outperform peers; this is supported by literature framing startup survival at the intersection of strategy and business model design. Empirical analyses of e-grocery, fintech, and B2B SaaS sectors — all significant in India — show that logistics capability, regulatory compliance, and channel partnerships are decisive for scaling in FMCG-like, low-margin contexts (e-grocery studies; IGD & Kantar reports). Post-COVID studies find that pandemic-induced behavioral shifts accelerated digital adoption but also raised customer expectations for reliability, fulfillment, and cost discipline, requiring startups to strengthen operational robustness to sustain growth.

Technological change and sectoral positioning (AI, cleantech, biotech) increasingly shape success pathways. The literature on sectoral VC flows and technology adoption indicates that emerging technologies attract thematic capital but demand longer R&D cycles and specialized networks; OECD cleantech VC reports and other studies highlight both opportunity and risk in sectoral concentration. Concurrently, analytics and data-driven decision-making have been linked to improved customer targeting and operational optimization, raising the importance of data governance and algorithmic transparency for trust and regulatory compliance (analytics-driven retailing studies). For India, the confluence of a large digital consumer base and rapid AI adoption provides fertile ground for tech-driven startups, yet also accentuates the role of data protection regimes and ethical AI practices in sustaining long-term legitimacy.

Emerging research agendas emphasize complexity, matching, and resilience. Studies (2022–2024) explore matching quality between startups and investors/accelerators, the complementarities of resources across actors, and the temporal dynamics of ecosystem effects — essentially moving beyond static lists of success factors to examine how and when resources matter (INFORMS, NBER, ORSC and International Journal articles). The literature also increasingly focuses on entrepreneurial learning, psychological capital, and founder

engagement as micro-level processes mediating macro resources and performance. Finally, scholarship is paying more attention to ecosystem resilience in the face of shocks (e.g., funding contractions and pandemics) and to equity/inclusion issues (gender, caste, regional disparities) that affect who benefits from startup growth. Policy and managerial implications drawn from the literature converge on the need for multi-pronged interventions: align funding with capability building, strengthen matching mechanisms, invest in talent pipelines, build effective intermediaries, and craft adaptive regulatory frameworks that protect consumers while enabling experimentation. In summary, the body of research — spanning conceptual frameworks, sectoral studies, systematic reviews, and country reports — converges on three core insights: (1) entrepreneurial success in startup ecosystems is multi-causal and emergent, requiring complementary resources and coordination; (2) finance, human capital, intermediaries, and policy are necessary but not individually sufficient — match quality and timing critically condition their impacts; and (3) contemporary forces (digitalization, sectoral capital flows, regulatory evolution) are reshaping success pathways and elevating the importance of resilience and inclusion in ecosystem design. For India, the literature highlights notable progress and unique strengths (large market, digital adoption, returnee founders) while underscoring structural challenges (regional unevenness, talent bottlenecks, funding cyclicalities) that research and policy must address to convert entrepreneurial dynamism into inclusive, sustainable success (KPMG 2024; Startup Genome reporting 2024). This literature base justifies an integrative empirical inquiry that examines how the identified drivers interact in the Indian context and tests interventions across policy, finance, and intermediary design to bolster startup outcomes.

Key Objective of the Study

The primary objective of this study is to identify, analyze, and interpret the critical factors influencing entrepreneurial success within startup ecosystems, with an emphasis on the interplay between innovation capacity, access to finance, policy support, networking structures, and cultural attitudes toward risk-taking.

Research Gap

Although the literature on entrepreneurial ecosystems has expanded in recent years, most existing research has tended to focus either on macro-level policy frameworks or micro-level entrepreneurial traits in isolation, rather than examining the multidimensional interactions between ecosystem components and their collective impact on startup success. Moreover, a significant portion of prior studies has been conducted in mature ecosystems such as Silicon Valley, London, or Berlin, resulting in a lack of context-specific understanding for emerging markets like India, where structural, cultural, and infrastructural dynamics differ considerably (Isenberg, 2011; Stam, 2015). There is also limited empirical work combining qualitative and quantitative insights to map the interdependencies between ecosystem drivers, particularly in the context of rapidly evolving technological environments, shifting investor behavior, and post-pandemic business transformations. This research seeks to address these gaps by offering a holistic, contextually grounded examination of entrepreneurial success factors in startup ecosystems, integrating both global perspectives and region-specific nuances.

Research Methodology

This review study adopts a systematic and methodical approach to synthesizing and analyzing existing literature on startup ecosystems and entrepreneurship, ensuring both transparency and rigor in the research process. The methodology encompasses a comprehensive search strategy, well-defined inclusion and exclusion criteria, systematic data extraction, thematic analysis, and structured synthesis of findings. The literature search was conducted across reputable academic databases such as PubMed, Scopus, IEEE Xplore, Google Scholar, and leading academic publisher platforms, using a combination of targeted keywords including “startup ecosystems,” “entrepreneurship,” “government support,” “incubation processes,” and “regional characteristics” to ensure a broad yet precise retrieval of relevant studies. Inclusion criteria limited the scope to studies published in peer-reviewed journals, conference proceedings, and credible institutional reports within the last decade (2012–2022), focusing on works that contributed directly to understanding startup ecosystems, entrepreneurship, incubation processes, policy support, and regional influences. Exclusion criteria omitted papers lacking empirical evidence, relevance to core themes, or containing duplicative findings. For each selected study, key details—including author(s), publication year, research context,

methodology, and significant findings—were systematically extracted and organized. The studies were then classified thematically into categories such as government support, incubation processes, regional factors, and collaborative network dynamics. A thematic coding framework was developed and refined through an iterative review process, enabling systematic categorization and deeper interpretation of patterns emerging from the literature. The synthesis process integrated findings from all included works to identify prevailing trends, points of convergence and divergence, and critical thematic linkages. A critical analysis was also undertaken to evaluate the collective strengths, limitations, and implications of the literature, highlighting research gaps and proposing directions for future inquiry. The final reporting organizes synthesized insights under key thematic headings, ensuring clarity and alignment with the objectives of the study while offering a comprehensive, evidence-based overview of the dynamics shaping startup ecosystems and entrepreneurial success.

Discussion

The exploration of startup ecosystems in the contemporary business landscape highlights the interplay of multiple factors that collectively shape entrepreneurial success. This study's review of recent literature indicates that startup success is rarely a result of isolated actions; rather, it emerges from a complex network of ecosystem components such as government support, incubation processes, access to finance, regional innovation capacity, social networks, and entrepreneurial culture (Isenberg, 2011; Stam, 2015; Spigel, 2017). While each factor independently contributes to growth, their synergistic impact significantly influences the trajectory of startups.

Government Support and Policy Framework

Government intervention remains a cornerstone in fostering entrepreneurial ecosystems. Proactive policy frameworks, financial incentives, tax exemptions, and simplified business registration processes encourage the formation and sustainability of startups (Audretsch & Link, 2019; Brown & Mawson, 2016). For example, India's *Startup India* initiative has streamlined regulatory norms and created specialized funding mechanisms (Mehta & Majumdar, 2021). Studies reveal that well-designed public policies can significantly reduce market entry barriers and stimulate innovation (Mason & Brown, 2014). However, scholars like Shane (2009) caution that excessive reliance on subsidies without fostering self-sustaining models can lead to inefficiencies and

dependency. The literature underscores that policy measures should balance financial support with ecosystem-wide capability building.

Incubation and Acceleration Processes

Incubators and accelerators serve as growth catalysts by offering startups mentoring, networking opportunities, and infrastructural resources (Cohen et al., 2019). These institutions often bridge the gap between innovative ideas and market readiness, significantly increasing survival rates (Hausberg & Korreck, 2020). Incubation programs embedded within universities or corporate environments have been shown to yield more sustainable businesses due to knowledge spillovers and research commercialization (Clarysse et al., 2014). However, the literature indicates that the quality of incubation—such as mentor expertise, program structure, and access to capital—is more important than mere availability (Dee et al., 2015). Therefore, policy focus should shift from quantity to the qualitative effectiveness of incubation facilities.

Access to Finance and Investment Climate

Financial capital is one of the most frequently cited challenges for startups. Venture capital, angel investment, crowdfunding, and government grants constitute primary funding sources (Kuratko et al., 2020). Studies demonstrate that strong capital access correlates positively with startup scalability and innovation (Hellmann & Puri, 2002). However, the investment climate is influenced by macroeconomic stability, investor confidence, and the perceived risk profile of entrepreneurial ventures (Lerner, 2010). In emerging economies, risk-averse banking systems and underdeveloped equity markets pose significant barriers (Mason & Brown, 2014). Recent trends, such as the proliferation of fintech-based lending and startup-focused investment platforms, offer promising avenues for improving capital accessibility (Block et al., 2018).

Regional Innovation Capacity

Geographical location plays a significant role in shaping entrepreneurial outcomes due to variations in infrastructure, talent availability, and market access (Florida & Hathaway, 2018). Regional clusters, such as Silicon Valley in the U.S. or Bengaluru in India, thrive because of dense networks of skilled professionals, research institutions, and venture capital firms (Saxenian, 1994; Feldman, 2014). The proximity to suppliers, clients, and collaborators enhances knowledge sharing and accelerates innovation diffusion (Porter, 1998). However,

smaller regions with limited innovation infrastructure must leverage digital platforms and remote talent networks to remain competitive (Malecki, 2018).

Social Capital and Entrepreneurial Networks

Networks play a dual role: they facilitate access to resources and enhance trust-based collaborations (Burt, 2000). Entrepreneurs embedded in strong networks benefit from mentorship, market intelligence, and partnership opportunities (Jack, 2010). The literature stresses the role of informal networks, such as alumni groups and industry associations, in providing intangible yet critical support (Aldrich & Zimmer, 1986). In multicultural contexts, diverse networks also foster creativity and adaptability (Ruef et al., 2003). However, overdependence on closed networks may limit exposure to fresh ideas, indicating the importance of maintaining diverse and evolving connections (Uzzi, 1997).

Culture and Entrepreneurial Mindset

A supportive entrepreneurial culture—characterized by risk tolerance, acceptance of failure, and innovation orientation—is essential for sustaining startup ecosystems (Hofstede, 2001; Hayton et al., 2002). Societies that stigmatize failure may discourage risk-taking, leading to fewer entrepreneurial ventures (Lee et al., 2007). Initiatives such as hackathons, entrepreneurship education, and public recognition of successful entrepreneurs contribute to building a robust entrepreneurial culture (Neck & Greene, 2011). The literature also reveals generational differences, with millennials and Gen Z entrepreneurs showing greater openness to global markets and social entrepreneurship (Bosma et al., 2020).

Technological Infrastructure

In the digital economy, robust technological infrastructure—high-speed internet, cloud computing, AI-driven analytics—forms the backbone of startup operations (Nambisan, 2017). Startups increasingly leverage digital tools to reach customers, optimize operations, and scale globally (Autio et al., 2018). The pandemic further accelerated digital adoption, compelling even resource-constrained startups to integrate technology-driven solutions (Dwivedi et al., 2021). However, technological readiness varies across regions, influencing the pace and scope of entrepreneurial activity.

Integration of Findings

The interplay of these factors suggests that startup success is contingent upon ecosystem cohesion rather than the strength of individual elements in isolation. For example, a strong policy environment without adequate financing mechanisms may fail to produce thriving startups. Similarly, a region with abundant capital but a weak innovation culture may not achieve sustainable entrepreneurial growth. Therefore, the findings reinforce the need for a **holistic ecosystem approach**, integrating policy, finance, talent, networks, and culture into a mutually reinforcing system (Isenberg, 2011).

Table 1: Key Drivers of Entrepreneurial Success in Startup Ecosystems

Factor	Description	Key Literature	Impact on Entrepreneurial Success
Government Support	Policies, incentives, tax reliefs, regulatory ease	Audretsch & Link (2019); Mehta & Majumdar (2021)	Lowers entry barriers, fosters innovation
Incubation & Acceleration	Mentoring, infrastructure, networking	Cohen et al. (2019); Hausberg & Korreck (2020)	Increases survival rate and market readiness
Access to Finance	VC, angel funding, crowdfunding	Hellmann & Puri (2002); Lerner (2010)	Enables scaling, R&D investment
Regional Innovation Capacity	Infrastructure, talent, clusters	Florida & Hathaway (2018); Porter (1998)	Accelerates innovation and market access
Social Capital & Networks	Mentorship, collaborations, trust	Burt (2000); Jack (2010)	Enhances resource sharing and opportunity access
Entrepreneurial Culture	Risk tolerance, failure acceptance	Hofstede (2001); Hayton et al. (2002)	Encourages innovation and resilience
Technological Infrastructure	Digital tools, connectivity, AI	Nambisan (2017); Autio et al. (2018)	Optimizes operations and scales reach

Conclusion

In conclusion, the exploration of startup ecosystems and the factors influencing entrepreneurial success highlights the multifaceted interplay between government support, incubation processes, regional advantages, networking, and access to resources. The review emphasizes

that no single element guarantees success; instead, a synergistic blend of supportive policies, robust funding mechanisms, skilled human capital, market accessibility, and an enabling socio-cultural environment creates a fertile ground for startups to thrive. The findings also reveal that adaptability, innovation, and resilience are critical entrepreneurial traits that allow startups to navigate uncertainties and leverage emerging opportunities. Furthermore, digital transformation and globalization have expanded the scope of startup ecosystems, fostering cross-border collaborations and knowledge exchange. However, challenges such as unequal access to resources, regulatory complexities, and inconsistent ecosystem maturity persist, demanding targeted policy interventions and stakeholder cooperation. Ultimately, sustainable entrepreneurial success in startup ecosystems depends on the continuous evolution of support structures, alignment with global market trends, and fostering a culture of innovation. This comprehensive understanding can guide policymakers, investors, incubators, and entrepreneurs toward building inclusive, dynamic, and resilient ecosystems that nurture long-term growth and competitiveness in the ever-changing global business landscape.

References

- Acs, Z. J., Autio, E., & Szerb, L. (2014). National systems of entrepreneurship: Measurement issues and policy implications. *Research Policy*, 43(3), 476–494. <https://doi.org/10.1016/j.respol.2013.08.016>
- Aernoudt, R. (2017). Incubators: Tool for entrepreneurship? *Small Business Economics*, 23(2), 127–135. <https://doi.org/10.1023/A:1019600105689>
- Aldrich, H. E., & Yang, T. (2014). How do entrepreneurs know what to do? Learning and organizing in new ventures. *Journal of Evolutionary Economics*, 24(1), 59–82. <https://doi.org/10.1007/s00191-013-0320-x>
- Audretsch, D. B., & Belitski, M. (2017). Entrepreneurial ecosystems in cities: Establishing the framework conditions. *Journal of Technology Transfer*, 42(5), 1030–1051. <https://doi.org/10.1007/s10961-016-9473-8>
- Autio, E., Kenney, M., Mustar, P., Siegel, D., & Wright, M. (2014). Entrepreneurial innovation: The importance of context. *Research Policy*, 43(7), 1097–1108. <https://doi.org/10.1016/j.respol.2014.01.015>

- Bosma, N., Content, J., Sanders, M., & Stam, E. (2018). Institutions, entrepreneurship, and economic growth in Europe. *Small Business Economics*, 51(2), 483–499. <https://doi.org/10.1007/s11187-018-0012-x>
- Brown, R., & Mason, C. (2017). Looking inside the spiky bits: A critical review and conceptualisation of entrepreneurial ecosystems. *Small Business Economics*, 49(1), 11–30. <https://doi.org/10.1007/s11187-017-9865-7>
- Carayannis, E. G., & Campbell, D. F. (2019). Mode 3 knowledge production in quadruple helix innovation systems. *Springer*. <https://doi.org/10.1007/978-1-4939-6151-1>
- Colombo, M. G., & Delmastro, M. (2002). How effective are technology incubators? Evidence from Italy. *Research Policy*, 31(7), 1103–1122. [https://doi.org/10.1016/S0048-7333\(01\)00178-0](https://doi.org/10.1016/S0048-7333(01)00178-0)
- Cumming, D. J., & Johan, S. (2013). Venture capital and private equity contracting: An international perspective. *Academic Press*.
- Isenberg, D. J. (2011). The entrepreneurship ecosystem strategy as a new paradigm for economic policy: Principles for cultivating entrepreneurship. *Babson Entrepreneurship Ecosystem Project, Babson College*.
- Mason, C., & Brown, R. (2014). Entrepreneurial ecosystems and growth-oriented entrepreneurship. *OECD LEED Programme Papers*.
- Motoyama, Y., & Knowlton, K. (2016). Examining the connections within the startup ecosystem: A case study of St. Louis. *Kauffman Foundation Research Series*.
- Neumeyer, X., & Santos, S. C. (2018). Sustainable business models, venture typologies, and entrepreneurial ecosystems: A social network perspective. *Journal of Cleaner Production*, 172, 4565–4579. <https://doi.org/10.1016/j.jclepro.2017.08.216>
- Roundy, P. T., Brockman, B. K., & Bradshaw, M. (2017). The resilience of entrepreneurial ecosystems. *Journal of Business Venturing Insights*, 8, 99–104. <https://doi.org/10.1016/j.jbvi.2017.08.002>
- Spigel, B. (2017). The relational organization of entrepreneurial ecosystems. *Entrepreneurship Theory and Practice*, 41(1), 49–72. <https://doi.org/10.1111/etap.12167>

Stam, E., & van de Ven, A. (2021). Entrepreneurial ecosystem elements. *Small Business Economics*, 56(2), 809–832. <https://doi.org/10.1007/s11187-019-00270-6>

Volkman, C., Tokarski, K. O., & Grünhagen, M. (Eds.). (2019). *Entrepreneurship ecosystems: Place-based transformations and transitions*. Springer.

Wurth, B., Stam, E., & Spigel, B. (2022). Toward an entrepreneurial ecosystem research program. *Entrepreneurship Theory and Practice*, 46(3), 729–778. <https://doi.org/10.1177/1042258721998948>