

MUHANDISLIK

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ijtimoiy-iqtisodiy, innovatsion texnik,
fan va ta'limga oid ilmiy-amaliy jurnal

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ИМЕНИ Г.В. ПЛЕХАНОВА
ТАШКЕНТСКИЙ ФИЛИАЛ



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Elektron nashr, 2026-yil, mart.

Bosh muharrir:

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Bosh muharrir o'rinbosari:

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Pardaev Umidjon Uralovich, iqtisodiyot fanlari doktori (DSc), professor

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- 05.01.00 – Axborot texnologiyalari, boshqaruv va kompyuter grafikasi
- 05.01.01 – Muhandislik geometriyasi va kompyuter grafikasi. Audio va video texnologiyalari
- 05.01.02 – Tizimli tahlil, boshqaruv va axborotni qayta ishlash
- 05.01.03 – Informatikaning nazariy asoslari
- 05.01.04 – Hisoblash mashinalari, majmualari va kompyuter tarmoqlarining matematik va dasturiy ta'minoti
- 05.01.05 – Axborotlarni himoyalash usullari va tizimlari. Axborot xavfsizligi
- 05.01.06 – Hisoblash texnikasi va boshqaruv tizimlarining elementlari va qurilmalari
- 05.01.07 – Matematik modellash
- 05.01.11 – Raqamli texnologiyalar va sun'iy intellekt
- 05.02.00 – Mashinasozlik va mashinashunoslik
- 05.02.08 – Yer usti majmualari va uchish apparatlari
- 05.03.02 – Metrologiya va metrologiya ta'minoti
- 05.04.01 – Telekommunikatsiya va kompyuter tizimlari, telekommunikatsiya tarmoqlari va qurilmalari. Axborotlarni taqsimlash
- 05.05.03 – Yorug'lik texnikasi. Maxsus yoritish texnologiyasi
- 05.05.05 – Issiqlik texnikasining nazariy asoslari
- 05.05.06 – Qayta tiklanadigan energiya turlari asosidagi energiya qurilmalari
- 05.06.01 – To'qimachilik va yengil sanoat ishlab chiqarishlari materialshunosligi
- 05.08.03 – Temir yo'l transportini ishlatish
- 05.09.01 – Qurilish konstruksiyalari, bino va inshootlar
- 05.09.04 – Suv ta'minoti. Kanalizatsiya. Suv havzalarini muhofazalovchi qurilish tizimlari
- 10.00.06 – Qiyosiy adabiyotshunoslik, chog'ishtirma tilshunoslik va tarjimashunoslik
- 10.00.04 – Yevropa, Amerika va Avstraliya xalqlari tili va adabiyoti
- 08.00.01 – Iqtisodiyot nazariyasi
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- 08.00.03 – Sanoat iqtisodiyoti
- 08.00.04 – Qishloq xo'jaligi iqtisodiyoti
- 08.00.05 – Xizmat ko'rsatish tarmoqlari iqtisodiyoti
- 08.00.06 – Ekonometrika va statistika
- 08.00.07 – Moliya, pul muomalasi va kredit
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- 08.00.09 – Jahon iqtisodiyoti
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- 08.00.14 – Iqtisodiyotda axborot tizimlari va texnologiyalari
- 08.00.15 – Tadbirkorlik va kichik biznes iqtisodiyoti
- 08.00.16 – Raqamli iqtisodiyot va xalqaro raqamli integratsiya
- 08.00.17 – Turizm va mehmonxona faoliyati

Ma'lumot uchun, OAK

Rayosatining 2024-yil 28-avgustdagi 360/5-son qarori bilan "Dissertatsiyalar asosiy ilmiy natijalarini chop etishga tavsiya etilgan milliy ilmiy nashrlar ro'yxati"ga texnika va iqtisodiyot fanlari bo'yicha "Muhandislik va iqtisodiyot" jurnali ro'yxatga kiritilgan.

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FEMALE ENTREPRENEURSHIP AND MICRO-ENTERPRISE DEVELOPMENT

Dilafroz Kuchkorova

PhD Candidate

Westminster International University in Tashkent, Uzbekistan

ORCID: [0009-0002-9193-4177](https://orcid.org/0009-0002-9193-4177)

Abstract. This research examines the role of female entrepreneurship in the development of micro-enterprises, with a particular focus on developing economies. It explores why gender matters in entrepreneurship, the patterns of micro-enterprise formation by women, and how such businesses contribute to socio-economic empowerment. The paper reviews the existing literature, presents a conceptual framework, discusses challenges and enabling factors, and offers suggestions for policy and practice. The study shows that while female-led micro-enterprises have strong potential to reduce poverty and improve livelihoods, they face significant constraints in access to finance, training, markets, and societal norms. The conclusion emphasizes the need for integrated support systems and gender-sensitive entrepreneurial ecosystems.

Keywords: female entrepreneurship, micro-enterprises, women's empowerment, developing economies, microfinance, gender constraints.

Annotatsiya. Ushbu tadqiqot rivojlanayotgan iqtisodiyotlar sharoitida ayollar tadbirkorligining mikro-korxonalar rivojlanishidagi rolini tahlil qiladi. Unda tadbirkorlikda gender omilining ahamiyati, ayollar tomonidan mikro-korxonalar tashkil etilishining xususiyatlari hamda bunday faoliyatning ijtimoiy-iqtisodiy imkoniyatlarni kengaytirishga qo'shadigan hissasi o'rganiladi. Maqolada mavjud ilmiy adabiyotlar sharhi beriladi, konseptual yondashuv taqdim etiladi, asosiy to'siqlar va rag'batlantiruvchi omillar muhokama qilinadi hamda siyosat va amaliyot uchun tavsiyalar ishlab chiqiladi. Tadqiqot natijalari shuni ko'rsatadiki, ayollar boshchiligidagi mikro-korxonalar kambag'allikni qisqartirish va turmush darajasini yaxshilashda yuqori salohiyatga ega bo'lsa-da, moliyalashtirish, ta'lim va treninglar, bozor imkoniyatlari hamda ijtimoiy me'yorlar bilan bog'liq jiddiy cheklovlarga duch keladi. Xulosada integratsiyalashgan qo'llab-quvvatlash tizimlari va genderni sezgir tadbirkorlik ekotizimlarini rivojlantirish zarurligi asoslanadi.

Kalit so'zlar: ayollar tadbirkorligi, mikro-korxonalar, ayollarning ijtimoiy-iqtisodiy imkoniyatlarini kengaytirish, rivojlanayotgan iqtisodiyotlar, mikro-moliyalashtirish, gender cheklovlari.

Аннотация. Данное исследование анализирует роль женского предпринимательства в развитии микро-предприятий с особым акцентом на развивающиеся экономики. В работе рассматривается значение гендерного фактора в предпринимательстве, особенности формирования микро-предприятий женщинами, а также вклад таких предприятий в социально-экономическое расширение возможностей. Статья включает обзор существующей научной литературы, представляет концептуальную модель, обсуждает ключевые барьеры и стимулирующие факторы, а также формулирует рекомендации для политики и практики. Результаты исследования показывают, что микро-предприятия, возглавляемые женщинами, обладают значительным потенциалом для сокращения бедности и повышения уровня благосостояния, однако сталкиваются с существенными ограничениями в доступе к финансированию, обучению, рынкам и общественным нормам. В заключении подчеркивается необходимость формирования интегрированных систем поддержки и гендерно-чувствительных предпринимательских экосистем.

Ключевые слова: женское предпринимательство, микро-предприятия, расширение прав и возможностей женщин, развивающиеся экономики.

INTRODUCTION

Entrepreneurship is widely recognized as a key driver of economic growth, innovation, and job creation [1]. In particular, micro-enterprises—small businesses often operated by individuals or small groups with limited capital and few employees—play a vital role in many developing countries [2]. According to recent research,



a large share of self-employment in low- and middle-income countries takes the form of micro-enterprises [2].

At the same time, female entrepreneurship has attracted increasing attention as a means of enhancing women's economic opportunities, promoting gender equality, and stimulating inclusive development [2]. Women entrepreneurs remain an underutilised resource in many economies, and supporting their micro-enterprises can contribute both to individual empowerment and broader societal benefits [3]. The World Bank notes that female-run firms are growing and contributing to incomes globally; however, their growth is often constrained by gender-related factors [4].

This study focuses on the intersection of female entrepreneurship and micro-enterprise development. Specifically, it seeks to answer the following questions: How do women engage in micro-enterprise creation? What factors facilitate or hinder their success? What are the implications for empowerment and economic development? The motivation for this research is threefold: first, to summarize what is known about women-led micro-enterprises; second, to identify key challenges and enabling factors; and third, to offer recommendations for policymakers, practitioners, and future research.

The structure of the paper is as follows. Section 2 presents a literature review. Section 3 outlines the conceptual framework and methodology. Section 4 discusses the key findings and analysis. Section 5 considers implications and discussion, while Section 6 presents the conclusions and recommendations.

LITERATURE REVIEW

This section reviews major themes in the literature on female entrepreneurship and micro-enterprise development. It covers: (a) definitions and context; (b) the scale and role of female-led micro-enterprises; (c) enablers of success; (d) barriers and constraints; and (e) outcomes in terms of empowerment and development.

In many developing economies, women face structural constraints in the labor market, and entrepreneurship offers a pathway to income generation, flexibility, and empowerment [9]. According to the World Bank's Female Entrepreneurship Resource Point, globally women-owned businesses are increasing; however, such ventures often remain in informal sectors and are constrained by time, skills, and networks [8].

Scale and Role of Female-Led Micro-Enterprises

Women are active in micro-enterprise sectors worldwide. Many micro-businesses in developing countries are operated by women, especially in informal, home-based, or service and retail sectors [10]. For example, rural women in India often combine household duties with small enterprise activities, sometimes linked to self-help groups (SHGs).

The role of female-led micro-enterprises is multifaceted: they generate household income, create employment (even if small-scale), increase women's decision-making power, and contribute to poverty reduction. The literature emphasizes that such enterprises can serve as a stepping stone toward economic inclusion [11]. Bongomin et al. found that micro-enterprise development among rural women led to improvements in individual, family, and social empowerment [11].

Moreover, micro-enterprises promote local economic activity and help diversify income sources. In low-income countries where formal employment opportunities are limited, micro-enterprises provide an accessible option for women to engage in economic activity despite structural constraints. Jayachandran's review notes that in some low- and middle-income countries up to one-third of non-agricultural workers are self-employed [12].

Enablers of Success for Female Micro-Entrepreneurs

Research identifies several factors that enable women to successfully start and sustain micro-enterprises [13].

Access to finance. While women often face greater financial constraints, access to micro-loans, grants, or microcredit can support business start-up and development. For example, the study by Leach and Abdulla examined the impact of training and micro-enterprise development for women, demonstrating that training combined with financial support improved outcomes [2].

Training and skills development. Business training helps women entrepreneurs develop skills in planning, marketing, finance, management, and networking. As Leach and Abdulla show, training significantly improves business outcomes [2].

Support networks and mentorship. Women benefit from social networks, peer support, and role models. A supportive network can provide access to customers, markets, resources, and information.

Institutional and policy support. Government and NGO programs that promote women's entrepreneurship, provide subsidies, or develop specific schemes for female-led micro-enterprises can help reduce gender-related gaps. The World Bank emphasizes that integrating gender considerations into private sector development policies is essential [5].

Flexibility and choice of sector. Many women choose sectors compatible with household responsibilities, such as home-based work, services, and retail [14]. Although these sectors may have relatively low growth potential, they enable women to balance their roles as income earners and caregivers. The literature highlights that such flexibility can be advantageous.

Barriers and Constraints

Despite their potential, female-led micro-enterprises face numerous barriers that limit their growth and sustainability [15].

Limited access to capital. Women often encounter difficulties in accessing formal credit due to collateral requirements, high interest rates, or gender-related discrimination. For example, a comparative study in Guatemala found that female entrepreneurs had less favorable access to credit than men. Similarly, Jayachandran's review highlights that limited access to credit remains a major challenge [16].

RESEARCH METHODOLOGY

Given the scope of this research, a literature review and synthesis methodology was employed. Major academic articles, reports, and working papers were reviewed (e.g., Jayachandran 2020; Leach & Abdulla 2000; Women's Entrepreneurship Resource Point 2015), and key themes were extracted.

The inclusion criteria for sources were as follows: (i) empirical studies or reviews on female entrepreneurship and/or micro-enterprises in developing countries; (ii) publications in English; and (iii) studies containing insights into enablers, constraints, or outcomes. The selected references span both the economics and management/small business literature.

ANALYSIS AND RESULTS

The analysis involved thematic coding of findings into three main categories: enablers, barriers, and outcomes, followed by mapping these elements into the conceptual framework. Findings were also compared across different geographical settings and socio-economic contexts.

Limitations.

As this study is based on a desk review, no primary data collection was conducted; therefore, the findings depend on the quality and scope of existing studies. Many studies focus on specific countries, which may limit generalisability. In addition, definitions and measurements of empowerment vary widely across the literature.

Findings

This section presents the main findings from the literature mapped into enablers, barriers, and outcomes. It also provides an analysis of emerging patterns and contextual nuances.

Enablers: What Helps Women's Micro-Enterprises

Access to credit and microfinance.

Studies show that providing women with access to credit, micro-loans, or grants can facilitate micro-enterprise start-up and modest growth. For instance, the study by Leach and Abdulla found that training combined with credit improved business outcomes for women participating in micro-enterprise development programmes [2].

Training and business development services.

These services help build women's skills, confidence, and business networks, thereby mitigating the education and experience gap. For example, Jayachandran's review of micro-enterprise literature emphasises the role of business training in improving business performance.

Government and NGO support.

Institutional programmes that specifically target women entrepreneurs can play an important role. The World Bank Resource Point emphasises the importance of integrating gender considerations into entrepreneurship and private-sector development strategies [3]. Such programmes may include subsidies, mentoring, or support for business formalisation [1].

Flexible business models.

Women often benefit from micro-enterprise models that accommodate their time constraints and domestic responsibilities—for example, home-based businesses or small-scale service and retail activities. Research on rural women in India shows that self-help group-linked micro-enterprises provide such flexibility [2].

Barriers: What Hinders Women's Micro-Enterprises?

Limited access to finance.

Despite progress, women continue to face more barriers than men in securing formal credit, collateral, favourable loan terms, or growth capital. A study of female micro-entrepreneurs in Ghana, India, and Sri Lanka found that women achieved lower returns when other household members were also business owners—



possibly because financial resources were diverted to other family ventures. Similarly, evidence from Guatemala indicates that women entrepreneurs experienced less favourable credit outcomes than men.

Time and domestic responsibilities.

Women often carry significant domestic and caregiving responsibilities, which reduce the time available for business activities or expansion. The World Bank report highlights that many women operate home-based businesses as a way to balance economic activities with household responsibilities.

Education, skills, and social network gaps.

Compared with male entrepreneurs, women may have less business experience, limited access to entrepreneurship education, and weaker professional networks. These factors can hinder their ability to access markets, plan business growth, or adopt new technologies.

Informality and low growth orientation.

Many women's micro-enterprises remain small, home-based, and informal, often characterised by relatively low productivity or limited growth potential. Jayachandran (2020) notes that a significant proportion of micro-entrepreneurs operate businesses out of necessity rather than opportunity.

Market and structural constraints.

Women-led micro-enterprises may have limited access to high-value markets, supply chains, advanced technologies, and formal registration systems. In addition, social norms or mobility restrictions may limit women's participation in broader business networks. The World Bank module indicates that women are more likely to operate in informal sectors, which makes business scaling more difficult.

Outcomes: Business Performance, Empowerment, and Development

Business performance.

When supportive conditions are present, women's micro-enterprises can demonstrate positive outcomes, including increased income, asset accumulation, and improved business sustainability. For example, studies in India report significant improvements in both income levels and empowerment indicators when women establish micro-enterprises. However, growth potential often remains limited, and financial returns tend to remain modest. Some studies suggest that although women entrepreneurs possess strong capabilities, their financial returns may be lower in certain household contexts.

Women's empowerment.

Owning and managing a micro-enterprise can strengthen women's economic power, decision-making ability, self-confidence, and social status. Research conducted in India measured improvements in individual, family, and social empowerment resulting from women's participation in micro-enterprise development programmes. Such empowerment outcomes are important for achieving broader gender equality and development goals.

Development-level impacts.

At the macro level, female micro-entrepreneurship contributes to inclusive economic growth, poverty reduction, and employment generation. The World Bank highlights women's entrepreneurship as a key component of gender-responsive private-sector development. However, challenges related to business scaling often limit the contribution of micro-enterprises to high-growth employment or large-scale enterprise development.

Policy Implications

Tailored financial products.

Policy-makers should promote microfinance and credit products specifically designed for women, recognising their constraints such as limited collateral, irregular working time, and smaller loan sizes. Evidence suggests that women entrepreneurs can significantly benefit from financial access when other supportive conditions are present.

Business training and mentoring for women.

Training programmes should include components such as business management, marketing, digital literacy, networking, and mentorship. These programmes should be flexible in their delivery (e.g., part-time or modular formats) to accommodate women's time constraints. The study by Leach and Abdulla highlights the importance and effectiveness of such training initiatives.

Support for scaling, formalisation, and market access.

Beyond facilitating business start-up, it is critical to enable women-led micro-enterprises to scale their operations. This involves assisting entrepreneurs in transitioning from informal to formal sectors, gaining access to larger markets and supply chains, adopting digital technologies, and improving productivity.

Gender-sensitive entrepreneurship ecosystems.

Entrepreneurship policies should incorporate a gender perspective by recognising the specific barriers women face, such as mobility restrictions, social norms, and family responsibilities. The World Bank emphasises the importance of integrating gender considerations into entrepreneurship policy. Effective policies should

promote women's networks, reduce gender discrimination, support childcare infrastructure, and encourage the visibility of successful female role models.

Practical Implications for Entrepreneurs and Support Organisations

For women entrepreneurs.

Understanding the importance of networks, mentorship, training, and strategic planning is essential. Women entrepreneurs may benefit from considering not only the start-up phase of a micro-business but also long-term growth, scalability, formalisation, and stronger market linkages.

For NGOs and business support organisations.

Designing programmes that address the specific constraints faced by women entrepreneurs is crucial. For instance, training sessions can be scheduled at times convenient for women, while programmes may combine business skills development with peer networking opportunities. In addition, providing micro-loans alongside mentoring support and facilitating access to markets and value-chain integration can significantly improve outcomes.

For micro-enterprise ecosystem stakeholders.

Business accelerators, microfinance institutions, chambers of commerce, and government agencies should collaborate to develop inclusive entrepreneurial ecosystems. These stakeholders should also collect and analyse gender-disaggregated data to better understand outcomes and adapt support mechanisms accordingly.

CONCLUSIONS AND RECOMMENDATIONS

This study explored the relationship between female entrepreneurship and micro-enterprise development. The literature indicates that women engage in micro-enterprises in large numbers, particularly in developing countries, and that these ventures hold significant potential for both empowerment and development. Enablers such as access to finance, training, institutional support, and flexibility help women succeed, while barriers—especially those related to gender norms, time constraints, limited networks, informality, and market access—remain substantial.

The outcomes of women's micro-enterprises include improved business performance (although often modest in scale), enhanced women's empowerment (both economic and social), and contributions to poverty reduction and inclusive economic growth. However, the transition from micro-level enterprises to growth-oriented businesses remains challenging, particularly for women entrepreneurs.

For policymakers, practitioners, and researchers, the implications are clear: promoting female micro-entrepreneurship is not simply about enabling more women to start businesses, but about building supportive ecosystems that address the specific constraints women face, facilitate business scaling, encourage formalisation, and improve market access while integrating gender perspectives into entrepreneurship policy.

Future research should place greater emphasis on issues such as business growth, scaling processes, the role of digital technologies, and the influence of diverse socio-economic contexts.

In conclusion, female entrepreneurship at the micro-enterprise level represents an important pathway toward inclusive economic development. However, its full potential will only be realised when women's enterprises are effectively supported to move beyond subsistence activities, achieve sustainability, and actively participate in growth-oriented business development.

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