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P2P LENDING AS A CATALYST FOR FINANCIAL INCLUSION: OPPORTUNITIES AND RISKS

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Abstract

By disrupting the conventional lending industry, Peer-to-Peer (P2P) Lending is a game-changer for financial inclusion. By leveraging technology and connecting lenders directly with borrowers, P2P lending platforms eliminate the need for intermediaries like banks. This empowers underprivileged to have greater access to the services offered by the financial institutions. This increased access to credit encourages economic inclusion, stimulates entrepreneurial activity, and promotes financial empowerment for those who were previously excluded from traditional banking channels. This study explores the opportunities and risks associated with P2P lending in the context of financial inclusion and emphasizes the need for robust regulatory frameworks, effective risk assessment mechanisms, transparent practices, investor and borrower protection measures, financial literacy initiatives, and collaboration among stakeholders. By implementing these suggestions, P2P lending can become a powerful tool for promoting financial inclusion while mitigating risks. Policymakers, regulators, P2P lending platforms, and participants must collaborate to harness the potential of P2P lending and create a more inclusive and sustainable financial landscape.

Keywords: Borrowers, Financial inclusion, Financial Technology, Lenders, Opportunities, P2P lending, Risks

1. INTRODUCTION

The origin of peer-to-peer (P2P) lending can be traced back to the early 2000s. The concept of P2P lending emerged as a response to the limitations of traditional banking systems and the desire for individuals and businesses to access loans directly from one another without intermediaries [1]. One of the earliest pioneers of P2P lending was Zopa, a UK-based platform founded in 2005 [2]. Zopa created an online marketplace that connected borrowers with individual lenders, allowing them to bypass traditional banks. Zopa's model focused on unsecured personal loans and introduced the concept of fractional lending, where multiple lenders could fund a single loan.

Another significant development in the history of P2P lending was the launch of Prosper Marketplace in the United States in 2006. Prosper followed a similar model to Zopa, enabling individuals to lend money directly to borrowers through an online platform [3]. The early P2P lending platforms faced regulatory challenges and had to adapt to comply with existing financial regulations. Over time, as the concept gained traction and evolved, numerous P2P lending platforms emerged globally, each with its own variations and target markets [4].

Today, P2P lending has become a popular alternative financing method, connecting

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borrowers and lenders across various sectors, including personal loans, small business loans, student loans, and real estate loans. The industry has continued to grow and evolve, incorporating technology, data analytics, and risk assessment models to facilitate efficient loan matching and risk management processes. [5].

P2P lending introduces a new lending model that may be unfamiliar to many individuals and businesses. Conducting a study on the opportunities and risks of P2P lending can contribute to improving financial literacy by educating potential participants about the benefits, risks, and responsible borrowing or investing practices in the P2P lending ecosystem [6]. And stakeholders can work towards creating a sustainable and inclusive financial system [7]. This involves establishing best practices, implementing effective risk management strategies, and ensuring that P2P lending platforms operate ethically, transparently, and in compliance with applicable regulations.

Though P2P lending has the prospects of increased access to credit, lower costs, diverse lending options and investment opportunities, the risks associated including default risk, regulatory challenges, information asymmetry, platform risk, and lack of transparency hampers the growth of this phenomenal platform. By incorporating the suggestions of strengthening the regulatory framework, better risk assessment mechanisms, promising transparency, protecting interested parties, educating the prospective participants and ensuring collaborations can build a finer P2P ecosystem which further assures greater financial inclusion potentiality.

The rest of the study is organized as follows. Section 2 provides the opportunities and risks associated with P2P lending in the context of financial inclusion. Section 3 presents the conclusion. Section 4 explains the recommendations to be taken into consideration. Section 5 presents the limitations and future implications of the study.

2. P2P LENDING IN THE CONTEXT OF FINANCIAL INCLUSION

Peer-to-peer lending has emerged as a disruptive force in the financial industry offering an alternative lending model that has the potential to foster financial inclusion [8], [9]. Traditional banking systems often exclude individuals and businesses with limited access to credit, leaving them neglected and unable to fulfil their financial needs [10]. P2P lending platforms aim to bridge this gap by connecting borrowers directly with lenders through online marketplaces, bypassing the traditional intermediaries [11].

P2P lending presents a range of opportunities for financial inclusion by providing access to credit for individuals and businesses who may face challenges obtaining loans from traditional financial institutions [12]. It leverages technology to enable a more inclusive and efficient lending process and promotes economic growth [7]. These possibilities are exciting, but the P2P lending ecosystem also faces some obstacles that must be addressed to preserve the stability and integrity of the P2P lending ecosystem [13].

Financial exclusion is a persistent issue worldwide where individuals and businesses lack access to basic financial services [14]. Understanding the potential of P2P lending as a tool for financial inclusion can help policymakers and stakeholders identify ways to bridge the gap and ensure that underprivileged populations have access to credit and financial

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resources [15]. Financial inclusion plays a crucial role in economic growth and development [16]. By studying the opportunities and risks associated with P2P lending, researchers and policymakers can evaluate its potential contribution to economic expansion, job creation, and poverty alleviation [17].

2.1 P2P Lending Possibilities for Wider Financial Access

P2P technologies have the potential to increase financial access by eliminating intermediaries [18]. P2P lending connects borrowers directly with lenders, expanding access to loans for individuals underserved by traditional institutions. P2P remittance platforms can provide low-cost, secure cross-border transfers, benefiting those who heavily rely on remittances. Micropayments through P2P systems enable low-value transactions, allowing for new business models and supporting digital content and charitable causes [19]. P2P crowdfunding platforms democratize fundraising, empowering individuals to raise funds directly from many people for various purposes [20]. These P2P possibilities have the potential to enhance financial inclusion and empower individuals in accessing financial services:

i. **Increased Access to Credit:** P2P lending platforms provide an opportunity for individuals and businesses who may have limited access to credit from traditional financial institutions [21]. P2P lending eliminates the need for paperwork and can be conducted online. By leveraging fin-tech technology, the loan process in P2P lending can be completed more efficiently compared to traditional banks, as stated by [22]. They can connect with a broad network of lenders, expanding their chances of securing loans and meeting their financial needs. This increased access to credit can empower underserved populations and stimulate economic growth.

ii. **Lower Costs:** P2P lending eliminates the need for traditional intermediaries such as banks, which can result in lower costs for borrowers [23]. By directly connecting lenders and borrowers, P2P platforms reduce administrative expenses, allowing lenders to offer loans at competitive interest rates. This affordability can benefit borrowers, particularly those who may have been excluded or faced higher borrowing costs in traditional lending channels. P2P lending platforms enhance matching efficiency by allowing borrowers to suggest interest rates and lenders to mitigate transaction risks, leading to more effective connections between borrowers and lenders.

iii. **Diverse Lending Options:** P2P lending platforms offer borrowers a wide range of loan options, including different loan amounts, interest rates, and repayment terms [24]. This diversity empowers borrowers to choose the loan that best suits their needs and preferences. It also fosters competition among lenders, potentially leading to more favourable loan terms for borrowers. On these platforms, individuals and businesses can showcase themselves and their projects and request funding from private lenders. Lenders must assess the amount and terms they are willing to contribute to each project. The credit amounts are generally small to medium-sized, with repayment durations of under three years. Unlike traditional bank loans, borrowers and lenders on these platforms are geographically dispersed and do not

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have direct contact, and the loans are typically unsecured by collateral.

iv. **Investment Opportunities:** P2P lending not only benefits borrowers but also offers investment opportunities for individuals looking to diversify their investment portfolios [25]. Lenders can invest their funds in loans offered through P2P platforms, potentially earning higher returns compared to traditional savings accounts or other investment options. This allows investors, including retail investors, to participate in the lending market and potentially earn attractive yields. P2P lenders expect to receive higher financial returns compared to other investment opportunities with similar levels of risk, in order to compensate for the additional risks involved in P2P lending.

2.2 Potential Drawbacks of P2P Lending

P2P lending faces significant barriers in the context of financial inclusion. Limited access to technology and internet connectivity in underserved regions impedes the participation of potential borrowers and lenders [26]. Additionally, the absence of credit history for individuals seeking loans makes risk assessment challenging for lenders [27]. Inadequate regulatory frameworks and consumer protection measures create uncertainty and discourage participation [28]. Moreover, low levels of financial literacy among marginalized populations contribute to uninformed decision-making. Concerns surrounding fraud and default risk also deter lenders from engaging in P2P lending [29]. Overcoming these barriers requires concerted efforts to improve infrastructure, enhance regulatory frameworks, and promote financial education to foster inclusive P2P lending.

i. **Default Risk:** P2P lending carries the risk of borrowers defaulting on their loans [30]. Due diligence and credit assessment by P2P platforms are crucial in determining the creditworthiness of borrowers. However, there is still a possibility of loan defaults, leading to financial losses for lenders. Proper risk management practices and effective collection processes are essential to mitigate this risk. [31]'s research on Prosper.com, a P2P lending platform in the US, reveals that even when lenders adopt a cautious approach, they can still receive a higher risk premium in the P2P market. While this may be appealing to investors, the absence of an intermediary creates a potential issue of information asymmetry. Investors may not have access to sufficient borrower information, leading to increased risks of loan defaults and posing challenges to the platform's sustainability. In summary, the study highlights the attractiveness of excess risk premiums for lenders in P2P lending, but also emphasizes the information imbalance problem and its implications for loan default risks and the platform's long-term viability.

ii. **Regulatory Challenges:** P2P lending operates within evolving regulatory frameworks, and the absence of comprehensive regulations in some jurisdictions poses risks for both lenders and borrowers [32]. Inadequate consumer protection measures, lack of oversight, and regulatory uncertainties can lead to fraudulent activities or platform instability. Robust regulatory frameworks are necessary to ensure a fair and secure P2P lending environment. Numerous efforts have been made to establish suitable regulations for this emerging phenomenon, but these attempts often result in unintended outcomes. The process of finding appropriate

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regulatory frameworks for this industry is still experimental and subject to debate and disagreement [33].

iii. **Information Asymmetry:** The success of P2P lending hinges on the availability of accurate borrower information and reliable credit assessment models. However, one of the key challenges in this context is the presence of information asymmetry between lenders and borrowers. This information imbalance can arise due to incomplete or inaccurate disclosure of borrower details, making it difficult for lenders to assess the creditworthiness of borrowers effectively. Consequently, inadequate loan assessments based on such imperfect information can result in higher default rates, jeopardizing the overall sustainability of the P2P lending platform. To mitigate this risk, it becomes crucial to establish transparent and dependable credit assessment processes that facilitate the sharing of relevant borrower information. Such measures can help minimize information asymmetry, enhance risk evaluation, and promote more informed lending decisions within the P2P lending ecosystem [27].

iv. **Platform Risk:** P2P lending platforms act as intermediaries, facilitating transactions between lenders and borrowers. If a platform fails or faces financial difficulties, it can impact the repayment process and the overall stability of the lending ecosystem. To take advantage of positive feedback effects seen in social networks and achieve cost reduction through density economies, P2P lending platforms must attract a large pool of lenders and borrowers. This enables the platform to benefit from network effects and lower operational costs per transaction [34]. Platform reliability, financial soundness, and contingency plans are crucial to mitigate platform risks and protect the interests of lenders and borrowers.

v. **Lack of Transparency:** P2P lending involves complex loan structures and terms that may not always be transparent to borrowers. This lack of transparency can lead to misunderstandings, potential exploitation, or borrowers taking on loans they do not fully comprehend. Transparent communication of loan terms, borrower rights, and obligations is essential to address this risk. The appealing returns on P2P lending make it a promising option for institutional investors, which could drive further growth at the current rapid rates. To maintain their investment in P2P platform lending, institutional investors may require even higher levels of transparency than what is already provided by P2P platforms [35].

3. CONCLUSIONS

Peer-to-peer lending has emerged as a promising avenue for promoting financial inclusion by providing increased access to credit, lower costs, diverse lending options, and investment opportunities for underserved individuals and businesses. However, it is not without risks and challenges. The opportunities presented by P2P lending in fostering financial inclusion can be maximized through the implementation of robust regulatory frameworks, effective risk assessment mechanisms, transparent practices, investor and borrower protection measures, financial literacy initiatives, and collaboration among stakeholders. By addressing these suggestions, the P2P lending ecosystem can thrive and contribute to a more inclusive and sustainable financial landscape. It is imperative for

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policymakers, regulators, P2P lending platforms, and participants to work together to harness the potential of P2P lending while managing the associated risks, ultimately advancing financial inclusion and empowering individuals and businesses to fulfil their financial aspirations.

4. RECOMMENDATIONS

i. **Strengthen Regulatory Frameworks:** To promote consumer protection, transparency, and platform stability in the realm of peer-to-peer (P2P) lending, it is imperative for governments and regulatory bodies to establish comprehensive and unambiguous regulations [36]. These regulations would serve the purpose of mitigating risks and cultivating a reliable and secure environment for both lenders and borrowers. By doing so, they would contribute to fostering trust, ensuring the safety of participants, and creating an atmosphere conducive to the growth and sustainability of P2P lending platforms. Such regulatory measures would play a pivotal role in upholding the interests of all stakeholders involved in the P2P lending ecosystem.

ii. **Implement Robust Risk Assessment Mechanisms:** To enhance the evaluation of borrowers' creditworthiness, it is crucial for P2P lending platforms to strengthen their risk assessment procedures. This can be achieved by leveraging sophisticated data analytics, employing credit scoring models, and conducting comprehensive due diligence [23]. By implementing these measures, platforms can effectively reduce the risks associated with borrower defaults and enhance the overall performance of loans. A meticulous and data-driven approach to risk assessment enables lenders to make informed decisions, increases the accuracy of credit evaluations, and ensures a more reliable lending environment. Employing advanced methodologies and thorough analysis empowers P2P lending platforms to optimize their lending processes and maximize the success of loan transactions.

iii. **Enhance Transparency and Disclosure:** To empower borrowers and facilitate informed decision-making, P2P lending platforms should offer unambiguous and thorough details about loan terms, fees, and potential risks. Transparent communication plays a pivotal role in ensuring that borrowers comprehend their rights and obligations before entering into a loan agreement. By providing comprehensive information, platforms enable borrowers to make well-informed choices about their financial commitments [37]. Clear disclosure of loan terms, fees, and associated risks establishes a trustworthy and fair lending environment. This transparency, fosters borrower confidence, strengthens trust in the platform, and promotes responsible borrowing practices. Ultimately, it empowers borrowers to navigate the lending process with clarity and awareness.

iv. **Strengthen Investor and Borrower Protection:** To ensure the protection of lenders' and borrowers' interests, P2P lending platforms should implement various mechanisms. These may encompass the utilization of escrow accounts, insurance coverage, fair collection practices, and effective dispute resolution systems [38]. By establishing such safeguards, platforms enhance confidence in the P2P lending

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ecosystem and provide reassurance to participants. Measures like escrow accounts and insurance coverage protect funds and mitigate potential risks. Additionally, fair collection practices and efficient dispute resolution mechanisms contribute to a balanced and just lending environment. These measures collectively safeguard the rights and interests of both lenders and borrowers, fostering a secure and trustworthy platform for all stakeholders involved.

v. **Promote Financial Literacy:** To enhance financial literacy among prospective participants in P2P lending, it is essential to implement educational programs. These initiatives should focus on equipping borrowers and lenders with the necessary knowledge and comprehension of P2P lending risks, responsible borrowing or investing practices, and effective navigation of lending platforms [39]. By undertaking such educational efforts, individuals will be empowered to make informed decisions and mitigate potential risks. Providing participants with the tools to understand the intricacies of P2P lending fosters responsible engagement, ensures better decision-making, and promotes a more informed and educated community within the lending ecosystem.

vi. **Foster Collaboration and Information Sharing:** Collaboration between P2P lending platforms, regulatory bodies, and industry stakeholders is crucial to foster the exchange of best practices, data, and insights. By working together, they can establish industry standards, risk management protocols, and innovative solutions that facilitate the sustainable expansion of P2P lending while effectively mitigating potential risks [40]. Through this collective endeavour, platforms, regulators, and stakeholders can pool their expertise and knowledge to develop a robust framework that promotes responsible growth in the P2P lending sector. This collaborative approach ensures a well-informed and cohesive ecosystem, where shared learnings and insights contribute to the continuous improvement and development of the industry.

By implementing these suggestions, P2P lending platforms can enhance transparency, manage risks effectively, protect the interests of participants, and foster a robust and inclusive financial ecosystem. This will ultimately contribute to the sustainable growth of P2P lending and promote financial inclusion.

5. LIMITATIONS AND FUTURE RESEARCH

The content does not provide specific empirical data or case studies to support the claims made about the benefits of P2P lending for financial inclusion. Without concrete evidence, it is challenging to assess the actual impact and effectiveness of P2P lending in promoting financial inclusion. Conducting a comparative study across different countries and regions would provide a better understanding of how P2P lending platforms can effectively contribute to financial inclusion. Conducting comprehensive empirical studies to assess the actual impact of P2P lending on financial inclusion is crucial. Researchers can analyse real-world data to evaluate the extent to which P2P lending platforms are reaching underserved populations, fostering entrepreneurship, and improving financial well-being. As technology continues to evolve, future research should explore how emerging technologies, such as blockchain and artificial intelligence, can be integrated into P2P lending platforms to enhance efficiency, transparency, and security while promoting financial inclusion.

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References

1. Milne, Alistair, and Paul Parboteeah. "The Business Models and Economics of Peer-To-Peer Lending." (2016).
2. Chishti, Susanne. "How Peer To Peer Lending And Crowdfunding Drive The Fintech Revolution In The Uk." *Banking beyond banks and money: A Guide to Banking Services in the Twenty-First Century* (2016): 55-68.
3. Wang, Hui, and Martina E. Greiner. "Prosper—The Ebay For Money In Lending 2.0." *Communications of the Association for Information Systems* 29.1 (2011): 13.
4. Taujanskaitė, Kamilė, and Eugenijus Milčius. "Accelerated Growth Of Peer-To-Peer Lending And Its Impact On The Consumer Credit Market: Evidence From Lithuania." *Economies* 10.9 (2022): 210.
5. Aveni, Tyler, et al. "New Insights Into An Evolving P2p Lending Industry: How Shifts In Roles And Risk Are Shaping The Industry." *Credit Suisse, [online] Available https://www. findevgateway. Org/sites/default/files/publication_files/new_insights_into _an_evolving_p2p_lending_industry_positiveplanet2015. pdf (12.06. 2019)* (2015).
6. Hidajat, Taofik. "Unethical Practices Peer-To-Peer Lending In Indonesia." *Journal of Financial Crime* 27.1 (2020): 274-282.
7. Yu, Tao, and Wei Shen. "Funds Sharing Regulation in the Context of the Sharing Economy: Understanding the Logic of China's P2p Lending Regulation." *Computer law & security review* 35.1 (2019): 42-58.
8. Kohardinata, Cliff, Novrys Suhardianto, and Bambang Tjahjadi. "Peer-To-Peer Lending Platform: From Substitution to Complementary For Rural Banks." *Business: Theory and Practice* 21.2 (2020): 713-722.
9. Widyanto, Hanif Adinugroho, and Jhanghiz Syahrivar. "Intention to Use Peer-To-Peer (P2p) Lending: The Roles of Perceived Structural Assurance and Perceived Critical Mass." (2022).
10. Beck, Thorsten, Asli Demirgüç-Kunt, and Patrick Honohan. "Access to Financial Services: Measurement, Impact, and Policies." *The World Bank Research Observer* 24.1 (2009): 119-145.
11. Jenik, Ivo, Timothy Lyman, and Alessandro Nava. "Crowdfunding and Financial Inclusion." *CGAP (Consultative Group to Assist the Poor) working paper* 41 (2017).
12. Agur, Itai, Soledad Martinez Peria, and Celine Rochon. "Digital Financial Services and the Pandemic: Opportunities and Risks for Emerging and Developing Economies." *International Monetary Fund Special Series on COVID-19, Transactions* 1 (2020): 2-1.
13. Urus, Sharina Tajul, and Intan Salwani Mohamed. "A Flourishing Fintech Ecosystem: Conceptualization and Governing Issues in Malaysia." *Business and Economic Research, Macrothink Institute* 11.3 (2021): 106-131.
14. Sinclair, Stephen P. *Financial Exclusion: An Introductory Survey*. Crsis, Edinburgh College of Art/Heriot Watt University, 2001.

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DOI 10.17605/OSF.IO/AUTJH

15. Pratiwi, Ratih, et al. "Fraud Risk In Peer Lending Fintech Transactions: The Role Of Consumer Protection Regulation In Indonesia." *International Journal of Social Science and Business* 6.4 (2022).
16. Iqbal, Badar Alam, and Shaista Sami. "Role of Banks in Financial Inclusion in India." *Contaduría y administración* 62.2 (2017): 644-656.
17. Appiah-Otoo, Isaac, and Na Song. "The Impact of Fintech on Poverty Reduction: Evidence from China." *Sustainability* 13.9 (2021): 5225.
18. Cai, Cynthia Weiyi. "Disruption of Financial Intermediation by Fintech: A Review on Crowdfunding and Blockchain." *Accounting & Finance* 58.4 (2018): 965-992.
19. Iman, Nofie. "Is Mobile Payment Still Relevant In The Fintech Era?." *Electronic Commerce Research and Applications* 30 (2018): 72-82.
20. Chen, Yan. "Blockchain Tokens and the Potential Democratization of Entrepreneurship and Innovation." *Business horizons* 61.4 (2018): 567-575.
21. Rosavina, Monica, and Raden Aswin Rahadi. "Peer-To-Peer (P2p) Lending Platform Adoption for Small Medium Enterprises (Smes): A Preliminary Study." *International Journal of Accounting, Finance and Business* 3.10 (2018): 1-14.
22. Wei, Qi, and Qiang Zhang. "P2p Lending Risk Contagion Analysis Based On a Complex Network Model." *Discrete Dynamics in Nature and Society* 2016 (2016).
23. Hsueh, S. C., & Kuo, C. H. (2017, August). Effective Matching For P2p Lending By Mining Strong Association Rules. In *Proceedings of the 3rd International Conference on Industrial and Business Engineering* (pp. 30-33).
24. Mild, Andreas, Martin Waitz, and Jürgen Wöckl. "How Low Can You Go? —Overcoming The Inability Of Lenders To Set Proper Interest Rates On Unsecured Peer-To-Peer Lending Markets." *Journal of Business Research* 68.6 (2015): 1291-1305.
25. Lenz, Rainer. "Peer-To-Peer Lending: Opportunities and Risks." *European Journal of Risk Regulation* 7.4 (2016): 688-700.
26. Kumra, Rajeev, Sk Abu Khalek, and Tamal Samanta. "Factors Affecting Bop Producer Intention To Use P2p Lending Platforms In India." *Journal of Global Marketing* 34.4 (2021): 328-352.
27. Yan, Jiaqi, Wayne Yu, and J. Leon Zhao. "How Signaling and Search Costs Affect Information Asymmetry in P2p Lending: The Economics of Big Data." *Financial Innovation* 1 (2015): 1-11.
28. Kharisma, Dona Budi. "Urgency of Financial Technology (Fintech) Laws in Indonesia." *International Journal of Law and Management* 63.3 (2020): 320-331.
29. Claessens, Stijn, et al. "Fintech Credit Markets Around the World: Size, Drivers and Policy Issues." *BIS Quarterly Review September* (2018).
30. Chen, Cathy WS, et al. "Inferences of Default Risk and Borrower Characteristics on P2p Lending." *The North American Journal of Economics and Finance* 50 (2019): 101013.
31. Berkovich, Efraim. "Search and Herding Effects in Peer-To-Peer Lending: Evidence From Prosper. Com." *Annals of Finance* 7 (2011): 389-405.
32. Davis, Kevin. "Peer-To-Peer Lending: Structures, Risks and Regulation." *JASSA* 3 (2016): 37-44.
33. Nemoto, Naoko, and Miriam Koreen. "Digital Innovation Can Improve Financial Access For Smes." *SME Policy Faced with Development of Financial Technology G20 Japan* 1 (2019): 1-11.
34. Omarini, Anna Eugenia. "Peer-To-Peer Lending: Business Model Analysis and the Platform Dilemma." *International Journal of Finance, Economics and Trade (*2.3 (2018): 31-41.

Jilin Daxue Xuebao (Gongxueban)/Journal of Jilin University (Engineering and Technology Edition)
ISSN：1671-5497
E-Publication: Online Open Access
Vol: 42 Issue: 07-2023
DOI 10.17605/OSF.IO/AUTJH

35. Jiang, Cuiqing, et al. "Loan Default Prediction by Combining Soft Information Extracted From Descriptive Text in Online Peer-To-Peer Lending." *Annals of Operations Research* 266.1-2 (2018): 511-529.

36. Huang, Robin Hui. "Online P2p Lending and Regulatory Responses in China: Opportunities and Challenges." *European Business Organization Law Review* 19 (2018): 63-92.

37. Zeng, Xueyun, et al. "A Consortium Blockchain Paradigm on Hyperledger-Based Peer-To-Peer Lending System." *China Communications* 16.8 (2019): 38-50.

38. Yan, Yuwei, Zhihan Lv, and Bin Hu. "Building Investor Trust In the P2p Lending Platform with a Focus on Chinese P2p Lending Platforms." *Electronic Commerce Research* 18 (2018): 203-224.

39. Ran, Xiaobin, et al. "The Role Of Financial Literacy In Online Peer-To-Peer Lending: An Empirical Approach." *ICIS*. 2019.

40. Feller, Joseph, Rob Gleasure, and Stephen Treacy. "Information Sharing and User Behavior in Internet-Enabled Peer-To-Peer Lending Systems: An Empirical Study." *Journal of Information Technology* 32 (2017): 127-146.