

## FINANCIAL DERIVATIVES AND RISK MANAGEMENT: AN OVERVIEW

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### ABSTRACT

*Financial contracts whose value is derived from an underlying asset, index, or rate are known as derivative instruments. They are crucial in managing financial risks, making predictions about asset values, and mitigating risks. Multiple parties that can trade over the counter or on an exchange construct a derivative. Derivatives are multifaceted tools that have changed the financial industry by providing investors with a range of risk management options. With the use of derivatives, risks associated with traditional instruments can be efficiently unbundled and managed independently. Futures, forwards, options, and swaps are the primary derivatives that are used to manage risk in the markets for financial instruments and commodities. When used properly, derivatives can lower expenses while also raising returns. The study's base is secondary data gathered from numerous publications, articles and journals. Understanding the function of derivatives in corporate risk management is the goal of this research. According to the study's findings, derivatives are crucial for risk management.*

**KEYWORDS:** *Derivatives, Forwards, Futures, Options, Swaps, Risk.*

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### REFERENCES:

1. Adam T. (2002) .Do Firms Use Derivatives to reduce their Dependence on External Capital Markets? European Finance Review, 6,163-187.
2. Afza, T. and Alam, A. (2011) ‘Corporate derivatives and foreign exchange risk management: A case study of non-financial firms of Pakistan’, Journal of Risk Finance, 12(5), 409–420.
3. Bollen, N. P., & Whaley, R. E. (2015). Risk and return in option markets: A comprehensive empirical study. Journal of Financial Economics, 115(2), 437-458.
4. Chua, C. L., Lean, H. H., & Tang, T. C. (2019). Effectiveness of currency derivatives in managing exchange rate risk: Evidence from emerging economies. Journal of Multinational Financial Management, 51, 100545

5. Gao, S. (2024). Systemic Risks in the Derivatives Market: Origins, Impacts, and Mitigation Strategies. *Advances in Economics, Management and Political Sciences*, 114,92-100.
6. Hammoudeh, S., & McAleer, M. (2013). Risk management and financial derivatives: An overview. *The North American Journal of Economics and Finance*, 25, 109-115.
7. Jiang, Yuqing. (2024). Exploring the Performance of Financial Derivatives in the Context of a Global Public Health Crisis and Their Tole in Risk Management. *Advances in Economics, Management and Political Sciences*. 131. 59-67. 10.54254/2754- 1169/2024.18415.
8. Jie Yang, Yiqiu Tang, Yongjie Li, et al. Dynamic Hedging Strategies in Derivatives Markets with LLM-Driven Sentiment and News Analytics. *Tech Rxiv*. April 11, 2025.
9. Lee, K. W. (2019). The usage of derivatives in corporate financial risk management and firm performance. *International Journal of Business*, 24(2), 113-131.
10. Madhumathi,R.(2011).Derivatives and Risk Management. Pearson Education India.
11. Miljković, Ljubomir. (2023). The Role of Financial Derivatives in Financial Risks Management. *Mest Journal*. 11. 97-104. 10.12709/mest.11.11.01.09.
12. Shubham Gaur & Tanya Jolly. (2023). Risk Management Strategies in Banking: A Study of Derivatives Use by Commercial Banks. *Educational Administration: Theory and Practice*, 29(3), 1162–1170.
13. Sahoo, A. (2015) Corporate Risk Management through Financial Derivatives: A Review of Literature. *International Journal of Advanced Research in Management and Social Sciences*, 4(8), 200-233
14. Sajjad, F.,Noreen,U.,&Zaman,K.(2013).Impact of derivatives on financial services sector and risk management. *Middle-East Journal of Scientific Research*,18(6), 748- 758.
15. Singh, A. and Upneja A. (2008) ‘The determinants of the decision to use Financial Derivatives in the Lodging industry’, *Journal of Hospitality and Tourism*, 32(4), 423- 447
16. Vashishtha, A., & Kumar, S. (2010). Development of financial derivatives market in India-a case study. *International Research Journal of Finance and Economics*, 37(37), 15-29.
17. Xiangchao Hao, Qinru Sun and Fang Xie (2022). International evidence for the substitution effect of FX derivatives usage on bank capital buffer, *Research in International Business and Finance*, Vol. 62, December 2022, 101687.