

## Mutual Fund Performance : An Empirical Analysis of Growth Schemes

ANJU B. NANDRAJOG \*

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### Abstract

The Indian financial system in general and the mutual fund industry in particular continue to take new challenges and turnaround from early 1990s. During this period, mutual funds have pooled huge investments for the corporate sector. The present study examines the performance of 68 sample schemes of equity mutual funds from growth option exclusively from private sector of India for the duration of January 2007 - June 2016 along with across fund characteristics and risk adjusted measures. NSE- Nifty had been taken as proxy for the market portfolio. It is found that overall all the schemes are providing positive returns during the study period but inconsistent behavior was found due to fluctuations of returns year by year. More than half of the schemes showed return greater than market return and rest of schemes failed to capture the market. But most of the schemes were successful to capture the risk free rate of return.

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### I. Introduction

THE CARDINAL AIM of the Indian financial system is to provide the efficient services to the capital market for smooth functioning. During the second generation reforms the Indian capital market has been raising tremendously. (Parmar, 2010) Mutual fund investment popularity has increased drastically over the past two decade and playing a significant role in the Indian financial market. Mutual fund industry of India has developed significant growth in terms of AMCs started from Rs. 246.7 millions in 1965 to Rs. 1006 billion in 2002 to 7599.95 billion end of 2012 to 8252 billion INR in 2014. For this it is the need of hour to study the performance evaluation of mutual fund industry. The portfolio performance evaluation primarily refers to the determination of how a particular investment portfolio has performed relative to some comparison benchmarks and it is important for the investors and the fund managers to know the relative performance of the portfolio.

\* Assistant Professor, Dev Samaj College for Women, Inside Bansi Gate, Ferozepur City, Punjab 152002, INDIA

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## VI. Conclusion

This study analysed the performance of selected mutual fund schemes of growth category by using risk adjusted measures and identified that majority of the schemes are performing better returns but with inconsistent behavior. Mutual fund market is totally dependent on the stock market movements. Funds related to large houses were succeeded to get extra returns than market and also to beat market risk. Basic statement prove wrong that higher the risk, higher the returns. No doubt, that majority of fund manager succeeded to generate additional returns for bearing diversified portfolio strategies and stock selection abilities but those failed to do so must adapt active portfolio strategies to reap additional returns from market.

## References

- Ariff, M., and L.W. Johnson, (1990), "*Securities Markets and Stock Pricing; Evidence from a Developing Capital Market in Asia*", Longman Singapore Publishers, Singapore, pp. 308-320.
- Barua, S. K. and Raghunathan Varma, (2007), "*Portfolio Management*", Tata McGraw-Hill, Delhi.
- Bodie, Kane and Mohanty Marcus, "*Investments*", The Mc-Graw Hill Companies, pp 884-912
- Bodla and Chahuan, (2012), "Performance of Equity Scheme of Mutual Funds in India: An Analysis Across Fund Characteristics", *HSB Research Review*, Vol. 3, January - June 2012, pp. 30-44.
- Bodla, B. S., and A. Garg, (2007), "Performance of Mutual Fund in India - An Empirical Study of Growth Schemes", *GITAM Journal of Management*, Vol. 5 , No. 4, 29-43.
- BR Bureau, "Guide to Mutual Funds, Fifth Annual Edition", *Business week*
- Chakrabatri, A. and H. Rungta, (2000), "Mutual Funds Industry in India: An In-depth Look into problems of credibility, Risk and Brand" *The ICFAI Journal of Applied Finance*, Vol. 6, April 2000, pp. 26-46.
- Chander, Ramesh, (2002), "*Performance Appraisal of Mutual Funds in India*", Excel Book, Delhi.
- Chandra, P., "*The Investment Game*", Tata Mc-Graw Hill Publishing, Delhi.
- Cole, J., and Y. K. IP, (1993), "*Decomposition of the Performance of Investment Funds and its Implications for Market Efficiency*", Third International Conference organized by Department of Finance and Accounting, National University of Singapore, pp. 29-36.
- CII & PwC Mutual Fund Summit, (2010), "*Indian Mutual Fund Industry- Towards 2015 (Sustaining Inclusive Growth- Evolving Business Models)*", PConfederation of Indian Industry (CII) and Price Waterhouse Coopers Pvt. Ltd.
- CII and PwC Mutual Fund Summit, (2012), "*Is There a Silver Lining (The Indian Mutual Fund Industry)*", Confederation of Indian Industry (CII) and Price Waterhouse Coopers Pvt. Ltd.

Deb, S.G. (2008), "Performance of Indian Equity Mutual Funds vis-à-vis Their Style Benchmarks", *The ICFAI Journal of Applied Finance*, Vol. 14, No. 1, pp. 49-80.

Desai, V. "*Indian Financial System*" Himalaya Publishing House, Delhi.

Dhanda, S. K., G.S. Batra and B. Anjum, (2012), "Performance Evaluation of Selected Open Ended Mutual Funds In India", *International Journal of Marketing, Financial Services and Management Research*, Vol. 1, January 2012, pp. 29-38.

Fabozzi, and J. Frank, (1999), "*Investment Management*", Prentice Hall Inc.

Fama, E.F., (1972), "Components of Investment Performance", *Journal of Finance*, Vol. 27, pp. 551-567.

Fisher, D.E., and R.J. Jordan, "*Security Analysis and Portfolio Management*", Prentice Hall of India Pvt. Ltd., Delhi

Friend I., F. Brown, E. Herman and D. Vickers, (1965), "*A Study of Mutual Funds: Investment policy and Investment Company Performance*", in Hsiu-Kwang Wu, Alan J. Zakon, ed. *Element of Investments: Selected Readings*, Holt, Rinehart and Winston, Inc, pp 371-385.

Gallagher, D. R. and K.M. Martin, (2005), "Size and Investment Performance: A Research Note", *Abacus*, Vol. 41, No. 1, pp. 55-65.

Garg, A. and A. Soni, (2008), "Mutual Fund Performance: An Analysis of Monthly Return", *KAIM Journal of Monthly Return*, Vol. 1, No.1, pp. 73-80.

Garg, M. and S.L. Gupta, (2014), "An Empirical Study of Performance Evaluation of Selected Equity Linked Saving Schemes (ELSS) of India", *International Journal of Research in IT and Management*, Vol. 4, No. 1, pp. 32-46.

Gupta, O. P. and A. Gupta, (2004), "Performance Evaluation of Select Indian Mutual Fund Schemes: An Empirical Study", *The ICFAI Journal of Applied Finance*, pp. 81-97.

IIBF, (2007), "*Mutual Funds Products and Services*", Taxmann Publications (P) Ltd. and Indian Institute of Banking and Finance.

Jaiswal, B. and Nigam, (2010), "Performance Measurement of Mutual Funds in India in the post Liberalisation Era- An Economic Review", *International Journal of Research in Commerce and Management*, Vol. 1, No. 8, pp. 26-40.

Jayadeve, M., (1996) "Mutual Fund Performance: An Analysis of Monthly Returns", *Finance India*, Vol. X, No. 1, March 1996, pp. 73-84.

Jayadeve, M. (1998), "Performance evaluation of portfolio managers: An empirical evidence on Indian Mutual Funds", *The ICFAI Journal of Applied Finance*, Vol. 5, No. 2, pp. 41-67.

Jensen, M. C., (1968), "The Performance of Mutual Funds in the Period 1945-1964", *Journal of Finance*, Vol 23, pp. 389-416.

Jones, P. C. (2010), "*Investments Principles and Concepts*", John Wiley and Sons

Kevin, S. (2007), "*Portfolio Management*", Prentice Hall of India (P) Ltd., pp. 19-39, 197-213

Lakshmi, N., De Malabika and B. Murugesan, (2008), "Performance of the Indian Mutual Funds; A Study with special reference to growth schemes", *Asia Pacific Business Review*, Vol. 4, July September, 2008, pp. 75-81.

Lohana, M. P., (2013), "Performance Evaluation of Selected Mutual Funds", *Pacific Business Review International*, Vol. 5, No. 7, pp. 60-66.

Mehta, Y. K., (2012), "An Analytical Study of Index Mutual Funds in India", *Zenith International Journal of Business Economics and Management Research*, Vol.2, No. 3, pp. 171-182.

Mishra, B., (2002), "Selectivity and Timing Skills of Mutual Funds in India: An Empirical Analysis" *The ICFAI Journal of Applied Finance*, Vol. 8, No. 5, pp. 5-16.

Narsimhan, M. S. and S. Vijayalakshmi, (2001), "Performance Analysis of Mutual funds in India", *Finance India*, Vol. 15, No. 1, March 2001, pp. 155-174.

Prajapati, K. P. and M.K. Patel, (2012), "Comparative Study On Performance Evaluation Of Mutual Fund Schemes Of Indian Companies, Researchers world", *Journal of Arts, Science and Commerce*, Vol. 3, July 2012, pp. 47-59.

Senapatthy, M. R. and M.K. Krishna, (2015), "Performance of Mutual Funds- An Empirical Study", *International of Advanced Technology in Engineering and Science*, Vol. 3, No. 2, pp. 130-146.

Shah, A. and S. Thomas, S. (1994), "Performance Evaluation of Professional Portfolio Management in India", A paper presented by CMIE.

Sharma, P.N. and R. Kumar, (2013), "Analysis of the Risk and Return Relationship of Equity Based Mutual Fund in India", *International Journal of Advancements in Research and Technology*, Vol. 2, August 2013, pp. 289-295.

Sharma, R., (2013), "Investment Perception and Selection Behaviour Towards Mutual Fund", *International Journal of Techno-Management Research*, Vol. 01, September.

Sharpe, W. F., (1964), "Capital Asset Prices: A Theory of Market Equilibrium under conditions of Risk", *Journal of Finance*, Vol. 19, pp. 225- 242.

Sharpe, W. F., (1966), "Mutual Fund Performance", *Journal of Business*, Vol. 39, pp. 119-138.

Singh, J., (2006), "Mutual Funds Growth, Performance and Prospects", Deep and Deep Publications Pvt. Ltd.

Sondhi, H and P.K. Jain, (2006), "Can Growth Stock be identified for Investment- A Study of Equity Selectivity Abilities of Fund Manager in India", *The ICFAI journal of Finance*, pp. 17-30.

Treynor, J. L. (1965), "How to Rate Management of Investment Funds", *Harvard Business Review*, Vol. 43, pp. 63-75.

Treynor, J.L. and K. Mazuy, (1966), "Can Mutual Funds Outguess the Markets", *Harvard Business Review*, Vol 44, pp. 131-136.

Tripathy, N.P., (2004), "A Empirical Analysis on Performance Evaluation of Mutual Funds in India: A Study on Equity Linked Saving Schemes", *The ICFAI Journal of Applied Finance*, Vol. 10, No. 7, pp. 36-55.

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