

Accepted Manuscript

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PII: S1090-9443(17)30173-4
DOI: [10.1016/j.rie.2017.07.003](https://doi.org/10.1016/j.rie.2017.07.003)
Reference: YREEC 737

To appear in: *Research in Economics*

Received date: 31 May 2017
Revised date: 12 July 2017
Accepted date: 12 July 2017

Please cite this article as: Antonella Nocco, Gianmarco I.P. Ottaviano, Matteo Salto, Monopolistic Competition and Optimum Product Selection: Why and how heterogeneity matters, *Research in Economics* (2017), doi: [10.1016/j.rie.2017.07.003](https://doi.org/10.1016/j.rie.2017.07.003)



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Monopolistic Competition
and
Optimum Product Selection:
Why and how heterogeneity matters*

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This version: July 2017

Abstract

After some decades of relative oblivion, the interest in the optimality properties of monopolistic competition has recently re-emerged due to the availability of an appropriate and parsimonious framework to deal with firm heterogeneity. Within this framework we show that non-separable utility, variable demand elasticity and endogenous firm heterogeneity cause the market equilibrium to err in many ways, concerning the number of products, the size and the choice of producers, the overall size of the monopolistically competitive sector. More crucially with respect to the existing literature, we also show that the extent of the errors depends on the degree of firm heterogeneity. In particular, the inefficiency of the market equilibrium is largest when selection among heterogenous firms is needed most, that is, when there are relatively many firms with low productivity and relatively few firms with high productivity.

Keywords: monopolistic competition, product diversity, firm heterogeneity, selection, welfare.

J.E.L. Classification: D4, D6, F1, L0, L1.

*For useful comments and suggestions we are grateful to the editor Federico Etro as well as to Paolo Bertoletti, Olivier Biau, Matthieu Lequien, Marc Melitz, John Morrow, Peter Neary, Mathieu Parenti, Jacques Thisse, Evgeny Zhelobodko and seminar participants at various institutions, conferences and workshops. The views expressed here are those of the authors and do not represent in any manner the EU Commission.

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