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**GENERALIZED  $M$ -CONTINUOUS AND  $M$ -IRRESOLUTE  
MAPPINGS IN FERMATEAN NEUTROSOPHIC  
TOPOLOGICAL SPACES**

**S. Santhana Lakshmi, Mohanarao Navuluri\*, A. Vadivel\*\*  
and P. Revathi\*\*\***

Department of Mathematics,  
Annamalai University,  
Annamalai Nagar - 608002, Tamil Nadu, INDIA

E-mail : santhanalakshmi1210@gmail.com

\*Department of Mathematics,  
Government College of Engineering,  
Bodinayakkanur - 625582, Theni, Tamil Nadu, INDIA

E-mail : mohanaraonavuluri@gmail.com

\*\*PG and Research Department of Mathematics,  
Arignar Anna Government Arts College,  
Namakkal - 637002, Tamil Nadu, INDIA

E-mail : avmaths@gmail.com

\*\*\*Department of Mathematics  
Government Polytechnic College, Kuduveli,  
Chidambaram - 608305, Tamil Nadu, INDIA

E-mail : revathimathsau@gmail.com

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**Abstract:** In this paper, we introduce and investigate Fermatean Neutrosophic generalized  $M$ -continuous mappings and Fermatean Neutrosophic generalized  $M$ -irresolute mappings within the framework of Fermatean Neutrosophic topological spaces. We systematically study the fundamental topological properties of these