





Personal Information

Name, Surname	Maurilio De Felice	
Gender	male	
Date and Place of Birth	Sept. 13, 1943	
Nationality	Italian	
Title / Discipline	Professor Emeritus University Federico II	Microbiology
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Education & Training	<ul style="list-style-type: none"> - Italian “Laurea” in Chemistry, Univ. Federico II, Naples, Italy (1968). - Research Associate, Purdue University, West Lafayette, Indiana, USA (April 1976-July 1977). - Visiting scientist, Cornell University, Ithaca, NY, US (July-August 1978, October-November 1980, July-September 1982). 	
Summary of Academic Career	<ul style="list-style-type: none"> - Ital. Natl. Res. Council scientist, Water Research Institute, Bari, Italy (1969). - Ital. Natl. Res. Council scientist, International Institute of Genetics and Biophysics, Naples, Italy (1971- 1986). - Guest Lecturer (professore incaricato) of Microbial Biochemistry, Univ. Federico II, Naples, Italy (1979-1986). - Full Professor of Applied Biochemistry and Microbiology, Faculty of Chemical Engineering, Salerno, Italy (1986-1989). - Full Professor of General Microbiology, University of Naples Federico II, (1986-2013). - Emeritus Professor, Univ. Federico II, Naples, Italy (2015 to present) 	
Teaching activity	<ul style="list-style-type: none"> - Microbial Chemistry, Univ. Federico II, Naples, Italy (1979-1986). - Applied Biochemistry and Microbiology (1986-1989), School of Engineering, Univ. of Salerno, Italy. - Microbiology (various years), School of Pharmacy, Univ. of Salerno, Italy. - General Microbiology Univ. Federico II, Naples, Italy (1986-2013). - Microbial Genetics, Univ. Vanvitelli, Naples, Italy (special courses for PhD students of Medicine, various Academic years) - Microbial Metabolism, Univ. Vanvitelli, Naples, Italy (special courses for PhD students of Medicine, various Academic years) - Microbiology, Univ. of Benevento, Italy (various Academic years). - Seminars on Microbial Biotechnology (for PhD students of Biology, various Academic years) - Various teaching activities and seminars on Microbiological topics at various levels in the Italian Universities. 	

Research Fields & Projects	<p>- <i>General Microbiology</i>: regulation of membrane transport in microorganisms; gene expression in bacteria under metabolic stress; molecular interactions among bacteria in mixed populations</p> <p>- <i>Microbial Biotechnologies</i>: food-related pathogenic bacteria; probiotic microorganisms; use of recombinant bacterial spores for the expression of proteins of industrial interest and for the production of innovative vaccines</p>
Membership and office held in Scientific Societies	<ul style="list-style-type: none"> - President of the Board of the Italian Society of General Microbiology and Microbial Biotechnologies (SIMGBM), 2000-2003. - Honorary Member of the Italian Society of General Microbiology and Microbial Biotechnologies (SIMGBM), 2013 to present - Member of the Italian Genetic Association (AGI) and Italian Society of Biophysics and Molecular Biology (SIBBM), several years 1971-1990.
Editorial activities in Journals and Monographs Series	<ul style="list-style-type: none"> - Associate Editor of the International Journal "Research in Microbiology" (1989-2012). - Editor of the International Journal "FEMS Microbiology Letters" (1996-2002) - Managing Editor of the International Journal "Microbial Cell Factories" (2004-2013)
Offices held in the University	<ul style="list-style-type: none"> - Director of the Department of General and Environmental Physiology, University Federico II, Naples, Italy (1996-1999). - Director of the Department of Structural and Functional Biology, University Federico II, Naples, Italy (2004-2007). - Coordinator of the inter-University PhD Programme (Dottorato di Ricerca) in Physiology (1999-2001). - Coordinator of the inter-University PhD programme (Dottorato di Ricerca) in Applied Biology (2001-2005).
Other Activities	<p>Referee or consultant for the following Internatl. Institutions: NATO; American Natl. Sci. Found.; Ben Gurion Univ., Israel; Biotechnol. and Biol. Sci. Council (BBSCR), UK; Israel Acad. of Sciences and Humanities, Basic Res. Found., Jerusalem, Israel; CNR PF; MURST e MIUR; Progetti di Ric. di Interesse Nazionale (PRIN); Regione Emilia-Romagna; Regione Veneto.</p> <p>Peer review for the following scientific Journals: Mol. Microbiol.; Mol. Gen. Genet.; Microbiology; Arch. Microbiol.; Biochim. Biophys. Acta; FEMS Microbiol. Letters; Antonie van Leeuwenhoek Internat. J.; Gen. Mol. Microbiol.; Kuwait J. Sci. and Engin.</p> <p>Scientific seminars and conferences at various Universities and Research Institutes around the world (Univ. of Padoa; Univ. of Parma; Univ. of Naples Vanvitelli; Sclavo Res. Inst., Siena, Italy; Institut Pasteur, Paris; N. Y. State Univ. at Stony Brook, USA; Cornell Univ., Ithaca, N. Y., USA; Purdue Univ. W. Lafayette, Indiana, USA; Cell Biology Institute, Rome La Sapienza Univ., Rome); Farmitalia Carlo Erba, Milan).</p>

<p>Selected Publications</p>	<ul style="list-style-type: none"> - De Felice, M., Guardiola, J., Lamberti, A., Iaccarino, M. <i>Escherichia coli</i> K-12 mutants altered in the transport systems for oligo- and dipeptides. <i>J. Bacteriol.</i> 116: 751-756 (1973). - Iaccarino, M., Guardiola, J., De Felice, M. La permeabilità delle membrane cellulari. <i>Le Scienze</i> 16 (n.84): 70-77 (1975). - Defez, R., De Felice, M. Cryptic operon for beta-glucoside metabolism in <i>E. coli</i> K-12: genetic evidence for a regulatory protein. <i>Genetics</i> 97: 11-25 (1981). - De Felice, M., Griffo, G., Lago, C.T., Limauro, D. and E. Ricca. Detection of the acetolactate synthase isozymes I and III of <i>E. coli</i> K-12. <i>Methods Enzymol.</i> 166: 241-244 (1988). - Ricca, E., Lago, C.T., Sacco, M., De Felice, M. Absence of acetohydroxy acid synthase III in <i>Salmonella typhimurium</i> is due to early termination of translation within the <i>ilvI</i> gene. <i>Mol. Microbiol.</i> 5: 1741-1743 (1991). Polsinelli, M., De Felice, M., Galizzi, A., Galli, E., Mastromei, G., Mazza, P., Viale, G. <i>Microbiologia</i>. Ed. Bollati Boringhieri, Torino, 1993. - Wang, Q., Sacco, M., Ricca, E., Lago, C. T., De Felice, M., Calvo, J. M. - - Organization of Lrp binding sites upstream of <i>ilvIH</i> in <i>Salmonella typhimurium</i>. <i>Mol. Microbiol.</i> 7: 883-891 (1993). - Naclerio, G., Ricca, E., Sacco, M., De Felice, M. Antimicrobial activity of a newly identified bacteriocin of <i>Bacillus cereus</i>. <i>Appl. Environ. Microbiol.</i> 59: 4313-4316 (1993). - Naclerio, G., Baccigalupi, L., Caruso, C., De Felice, M. and E. Ricca. <i>Bacillus subtilis</i> vegetative catalase is an extracellular enzyme. <i>Appl. Environ. Microbiol.</i> 61: 4471-4473 (1995). - Gino Naclerio, Margherita Sacco, Ezio Ricca e Maurilio De Felice "Cerein, un nuovo additivo biologico anti-fermentativo ad azione specifica", Conseguito l'11/06/1996 - Brevetto n° 1261992. - Luca Martirani, Mario Varcamonti, Gino Naclerio e Maurilio De Felice "Nuova batteriocina, suo procedimento di preparazione dal ceppo di <i>Bacillus licheniformis</i> e suo uso nei settori alimentare e medico-veterinario", Depositato il 15/01/2001 - Brevetto n° RM2001A000014. - Muscariello, L., Marasco, R., De Felice, M., and M. Sacco. The functional <i>ccpA</i> gene is required for carbon catabolite repression in <i>Lactobacillus plantarum</i>. <i>Appl. Environ. Microbiol.</i> 67: 2903-2907 (2001). - Martirani L, Varcamonti M, Naclerio G, De Felice M. Purification and partial characterization of bacillocin 490, a novel bacteriocin produced by a thermophilic strain of <i>Bacillus licheniformis</i>. <i>Microb Cell Fact</i> 1:1 (2002). - Cordone, A, Mauriello, E. M., Pickard, D. J., Dougan, G., De Felice, M., Ricca, E. The lrp gene and its role in type I fimbriation in <i>Citrobacter rodentium</i>. <i>J. Bacteriol.</i> 187: 7009-7017 (2005). -- De Felice M. e De Felice M. Trasposoni. In: "Enciclopedia della Scienza e della Tecnica", Ed. Istituto della Enciclopedia Treccani, Roma, vol V, pp. 589-592 (2007). Sayem SM, Manzo E, Ciavatta L, Tramice A, Cordone A, Zanfardino A, De Felice M, Varcamonti M. Anti-biofilm activity of an exopolysaccharide from a sponge-associated strain of <i>Bacillus licheniformis</i>. <i>Microb Cell Fact.</i> 10: 74 (2011). IF 2010: 4.54 - Pigmentation and sporulation are alternative cell fates in <i>Bacillus pumilus</i> SF214. Manzo N, Di Luccia B, Istitato R, D'Apuzzo E, De Felice M, Ricca E. <i>PLoS One.</i> 8:e62093 (2013).
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