

?????? ????????, ???????, ???????, ?????? ????????? (?????, 18. V 1960). ??????? ??????? ?? ????????? 1982. ?? ?????????-?????????????? ?????????? ? ??????????. ??????????????? ?? 1988, ? ??????a? ?????? 1998. ?? ?????????????? ??? ? ? ?????????? ?? ??????, ?????????????? ? ??????????????. ?? ??????? ?????????? ?????????? 2012. ?????????? ?? ?????????????? ?????????? ?? ?????????? ??????????????????? ?? ?????????? ? ?????????????? ?????????? ?? ?????????????? ?????????? ? ??????????. ??????? ?????? ?????????? ??????????????? ?????? ?????????? ?????????????????? ?? ?????????? ?????????? ?????????? (?????????????, ??????, ??????????) ? ? ?????????? ?????????? ?????????? ?????????? ??? ?????? ?????????? ?????????? (????????, „Leucine aminopeptidase from *Streptomyces hygroscopicus* is controlled by a low molecular weight inhibitor", *Journal of Bioscience and Bioengineering*, 2002, 94). ??????? ?? ?????????? ??????? ?? ??????????????? ?????????? ?????????? (?????? ??????????????) ?? ?????????? ?????????? ?????????????????? ?????????? (????????????????????), ??? ? ???? ?????????? ? ?????????? ?????????? ??????????. ?????? ????, ??? ? ? ??????????????, ?????????????????????? ? ??????????????-????????????? ?????????? ??????????????????????. ??????? ?? ??? ?????? (? J. ???????, ?. ???????, ?????????? ? ?????????????? ??????? ???????????, ?? 2000; ? J. ???????, ?. ???????, ?????????? ?????????? ?????????, ?? 2002; ? ?. ?. ??????, ??????????? ?? ?????????????????? ???????, ?? 2003), ??? ? ??? ?????????? ??????? ?? ?????????? ?????? ? ?????????????????? ???????, ?????????????? ? ??? ? ?????????? ?? ??????? ?????? ?? ??????????.

?????: ???????, „Enzymatic characterization of 30 kDa lipase from *Pseudomonas aeruginosa* ATCC 27853", *Journal of Basic Microbiology*, 2009, 49, 5; ???????, „Biodegradation of petroleum sludge and petroleum polluted soil by a bacterial consortium: a laboratory study", *Biodegradation*, 2012, 23, 1.

?????: ??????? ?????????? ?? ???????, ?????????????? ? ??????????????.

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*????? ?? ?????????? ? 1. ????? III ??? ???? ???? ????????????????? (2018)