A304 Polyphasic Taxonomy for *Lentzea* spp. and Related Taxa Isolated from Gold Mine Cave in Kongju.

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The taxonomic status of 38 strains, which were isolated from gold mine cave in Kongju, was studied by polyphasic methods. The isolates were morphologically characterized by well-developed, branched hyphae that fragmented into rod-shaped elements. The areal mycelium was white to whitish yellow, and the substrate mycelium was yellow or violet. The morphological, cultural, and chemotaxonomic characteristics, in addition to 16S rDNA sequence analysis, indicated that our isolates belong to the genus *Lentzea* of the family *Pseudonocardiaceae*. The isolates were subjected to the numerical classification and grouped by their physiological properties. The representative strains of cluster were further characterized by examining cellular fatty acid compostions and by DNA-DNA hybridiza tion studies. Some isolates were phylogenetically classified by determining the 16S rDNA sequences and comparing them with the 16S rDNA sequences of related taxa within the family *Pseudonocardiaceae*.

A305 Isolation and Characterization of *Listeria monocytogenes*

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Ten *Listeria* species were isolated from clinical specimens, and their physio-biochemical characters were compared with the type strains; *L. monocytogenes* ATCC 15313^T, *L. innocua* ATCC 33090^T, *L. ivanovii* ATCC 19119^T, *L. grayi* ATCC 19120^T, *L. seeligeri* ATCC 35967^T, *L. welshimeri* ATCC 35897^T. The cellular fatty acid composition and quinone profile of the isolates were investigated. Also, the DNA G+C(mol %) contents were analyzed. All the isolates were polar flagella, regular rod-shaped bacteria. The results of VITEK system analysis indicates that the isolates are *Listeria* species. The DNA G+C(mol %) contents were 38.4~39.5%, and the major quinone contents were MK-7. The major amino acid contents in the peptidoglycan layer of the isolated strains were meso-A_2pm, and they showed the same results as compared to *L. monocytogenes* type strain.