Biodiversity has been very common is a familiar topic to almost everyone, most people. However, a comprehensive understanding of the concept of biodiversity might not be observed in less common to many discussing parties; researchers. Likewise, similarly, microbial diversity is even less common understood to most of academicians, except of course to by microbiologists. In fact, a correct and clear understanding concept of biodiversity is a prerequisite for serious and appropriate discussion of on the matter topic. In this paper, the concept and understanding of microbial diversity as well as its genetic potential is fundamentally described as well as their genetic potential by reviewing the development and application of the species concept based on a molecular biological approach. It is an undeniable fact that molecular biology has provided a powerful tool for to microbiologists as well as and evolutionists to to unraveling the biodiversity of the microbial world, which plays a paramount important role in to conserve-conserving the basic function of any natural environments in the biosphere, since because microbes live and flourish in all ecosystems, including extreme habitats. The ubiquity of microbes is clearly underpins underpinned by their diversity, including their physiological and metabolic diversity, ability to live in anaerobic environments, and their small size. Development and applications of Molecular biology development and application in microbiology have transformed the three areas into of microbiology, namely microbial ecology, microbial diversity, and microbial evolution from research areas of weakness into areas of strengths. This has helped in unraveling broaden our understanding of and understanding microbial diversity and its genetic potential as well as its role in nature, especially their role to keep work in maintaining the biogeochemical cycle in the on the Earth. Only by having an adequate understanding of microbial the critical role of microbes in preserving nature that the can environmental conservation issue could be meaningfully understood and carried out implemented understood and realized meaningfully.

Comment [A1]: Here, the subject is “microbial diversity,” which is singular. Therefore, the pronoun used should also be singular for grammatical accuracy.

Comment [A2]: In American English, that is used to introduce a restrictive clause and which is generally used to introduce a nonrestrictive clause. When using “which,” it should be preceded by a comma.

Comment [A3]: In academic writing, information is presented with accuracy and conciseness. Formal language is a hallmark of academic English. One way to ensure conciseness in expression is converting phrasal verbs to formal words.