



Towards accelerating innovation in radio science and technology – more involvement of woman scientists is indispensable

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Radio science fields have grown tremendously over a century. Many kinds of apparatus that use radio science and technology are indispensable in our modern life. At the same time, there are many complicated issues in our life that we hope to overcome, including climate change, air pollution, natural resources, and energy issues. These directly impact our daily life, and immediate actions are required to solve or minimize these complex problems. According to the report by Elsevier, “Gender Map 2015”, the citation counts of the top 10% papers become greater when more woman authors are included among the authors of the papers, which indicates that woman scientists likely play essential roles in progressing the understanding of the academic subjects and propose new perspective in the fields. Innovation best grows in the environment when diverse backgrounds scientists with a mixture of gender work and discuss together. Accordingly, “affirmative action” is not for goodwill but for the requirement to solve complex social problems effectively and intelligently. The involvement of more woman scientists is likely to enhance productivity and accelerate opportunities for innovation in future radio science and technology. Various data shows girls gain higher scores at schools in multiple subjects, including mathematics, science, and technology. Radio science is one of the many academic fields in which more women’s involvement is required for future innovation. In this paper, we discuss future possibilities and opportunities that could open up for more women scientists in radio science and technology fields.