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### Commemorating Women Nobel Prize Laureates in Chemistry

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## Commemorating Women Nobel Prize Laureates in Chemistry

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### ABSTRACT

In this review study we describe contributions of women chemists who earned a Nobel Prize in Chemistry, notably the most prestigious award in the field. Based on our analysis of data, the number of women Nobel laureates in Chemistry is increasing with time. However, women still are the minority group compared to men in a pool of Nobel Prize winners in Chemistry.

In the current study we also compared women's representation in chemistry to women's representation in two other science fields of a Nobel Prize award: (i) Physics and (ii) Physiology or Medicine. Based on our analysis, the numbers of women scientists winning Nobel Prizes in all three categories are on the rise in the current century compared to the previous one.

Additionally, we compared the age of women and men Nobel Prize laureates in science fields at the time of the award. The age-related analysis shows that on average women Nobel Prize winners in the two areas of Chemistry and Physics received recognition at a younger age compared to men laureates.

With our findings we hope to motivate more women to pursue chemistry or any other science field with the hope to reduce the gender gap in various STEM fields in near future.