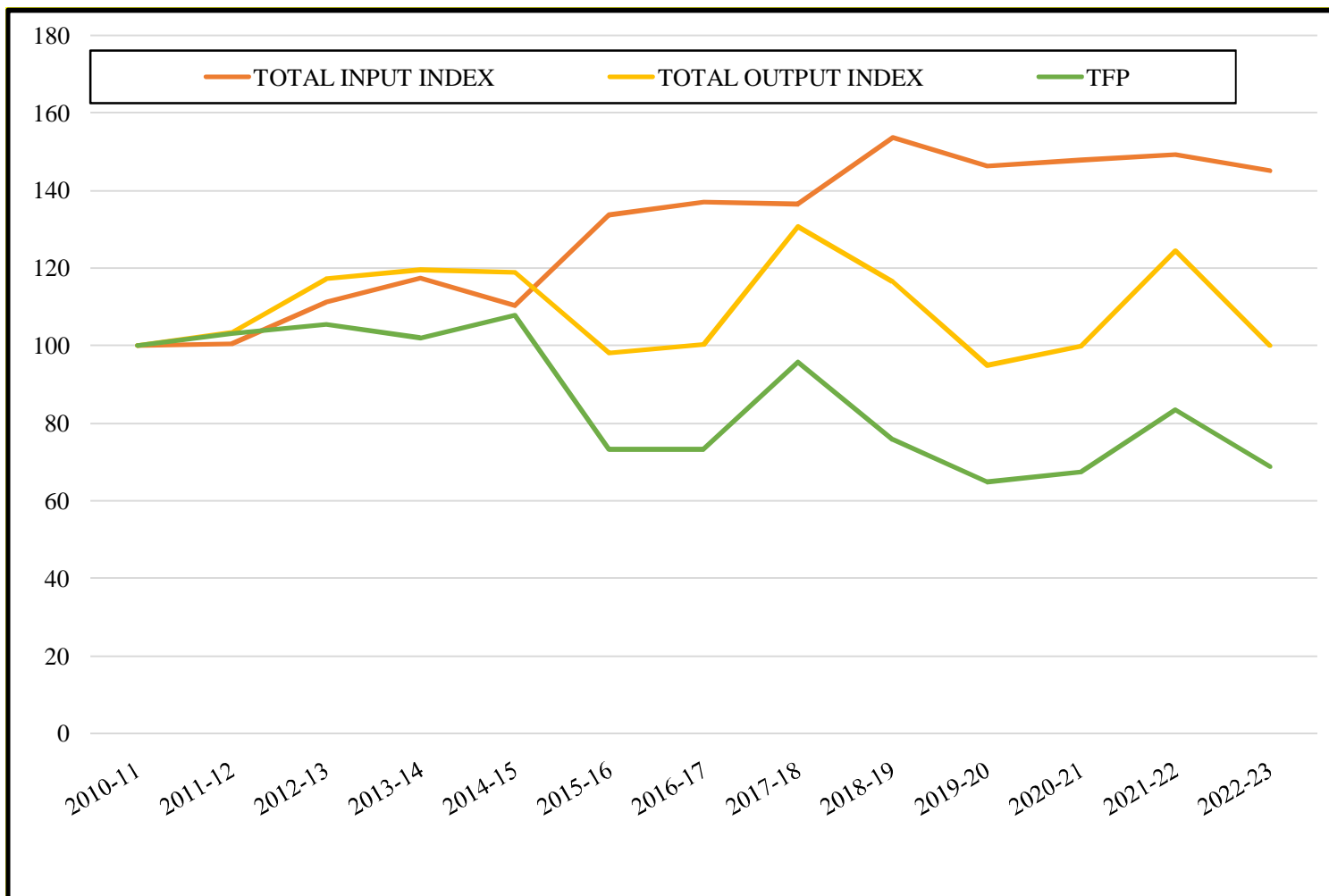
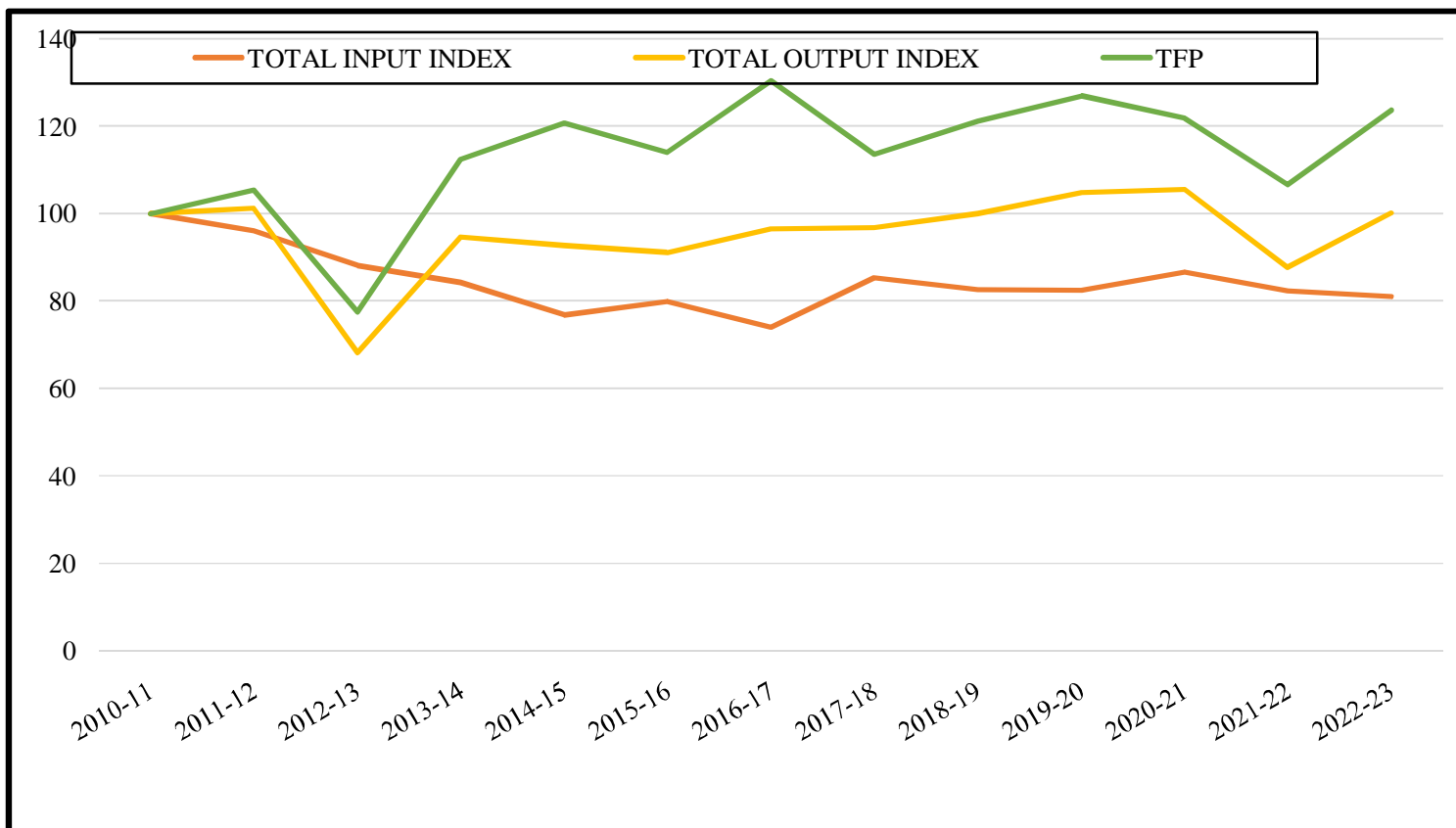


**Figure 1: Input, output and TFP indices of cumin in Gujarat for the year 2010-11 to 2022-23**



**Figure 2: Input, output and TFP indices of fennel in Gujarat for the year 2010-11 to 2022-23**



**Figure. 3: Input, output and TFP indices of coriander in Gujarat for the year 2010-11 to 2022-23**

## Conclusions

The study of the total input, total output and total factor productivity (TFP) indices for cumin, fennel and coriander from 2010-11 to 2022-23 reveals varying trends in productivity growth. Cumin and coriander exhibited positive TFP growth, driven by higher growth rates of outputs relative to inputs. Conversely, fennel showed a decline in TFP growth due to the accelerated growth rate of inputs compared to outputs.

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