

Maryam Saberi

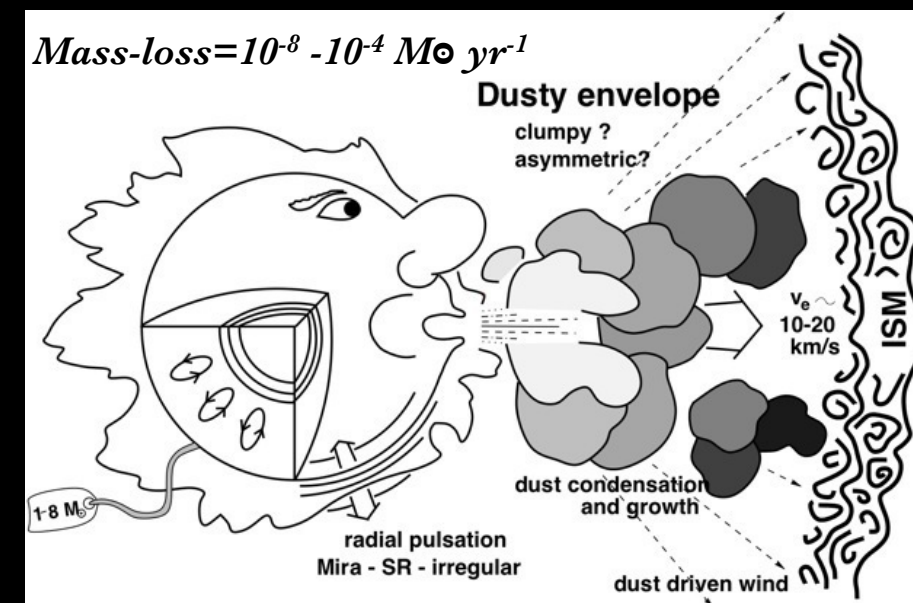
First year PhD at

Chalmers university of technology & Onsala space observatory

AGB star

Research project:

- **Modelling circumstellar envelope (CSE) of asymptotic giant branch (AGB) stars.**
- Understanding the strange behaviour of $^{12}\text{CO}/^{13}\text{CO}$ ratio of R Scl.
- Understanding the effect of different UV source (binary companion, chromospheric activity and ISRF) on the chemical composition of CSEs.
- Studying selective photodissociation process in CSEs.



CO (3-2) map of Carbon AGB star, R Scl by ALMA