Presupernova evolution and explosion of massive stars

I review our recent progresses on the presupernova evolution of massive stars in the range (13-120) Msun of solar metallicty. Special attention will be devoted to the effect rotation and of the mass loss rate in determining the structure and the physical properties of the star prior to the supernova explosion. I will also discuss the explosive yields and the initial mass-remnant mass relation in the framework of the induced explosion and hence the contribution of these stars to the global chemical enrichment of the interstellar medium.