

- *M. purpureus* is capable to produce monascin and ankaflavin in correlated fashion, whereas *M. ruber (pilosus)* produce monascin with minimum ankaflavin.
- *M. purpureus* is capable to produce citrinin and unable to produce monacolin K.
- *M. ruber (pilosus)* produces monacolin K and is unable to produce citrinin.
- Current monacolin K content-related regulation of *Monascus* food should be revised.
- Labeling of *Monascus* species used in *Monascus* food should be a necessary consideration.