

Dr. M. M. AZAM

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1. Personal bio-data:

- a) **Position/Designation** : Senior Scientist
- b) **Joining date in ICAR** : (DOB: 1962)
- c) **Discipline and Specialization** : Organic Chemistry
- d) **Training/advance exposure in the area of work:** Natural Product chemistry, value addition, Nutraceuticals
- e) **Contribution to the scientific advancement:**

2. Future Planning of research:

3. Research Projects Completed :

Institutional projects

- 1) Aloin content in *Aloe vera* in different habitats and Agro-climates of Indian Arid zone
- 2) Chemical Analysis of Aloe Landraces, Standardization of Processing methods and Developments of Aloe
- 3) Development of suitable Agro-technique for *Aloe vera* cultivation
(All from CAZRI, Jodhpur)

Externally funded projects

Improving the shelf life of milk and milk products of camel and goat (NAIP, from CAZRI, Jodhpur)

4. Ongoing Projects:

Institutional projects

Development of Value Added Rice based Products for Different Uses

3. Publications:

- Azam, M. M., S.Kumar, A.Pancholy, M. Patidar. 2012.** Physico-chemical evaluation of bitter and non-bitter Aloe and their raw juice for human consumption. *Journal of Food Science and Technology* (Publisher – Springer), DOI 10.1007 – 012-0878-6.
- Azam, M. M., Waris, A. and Nahar, N. M. 2010.** Suitability of Some Wildly Grown Seed Oils for Use as Biodiesel. *Energy Sources, Part A*, 32(7): 657 - 664.
- Azam M. M. Kumar S. Pancholy A. 2009.** Characterization of bitter and non-bitter type of *Aloe vera*. *Indian Journal of Agricultural Sciences*, 79(3): 218-220
- Azam, M. M., Tewari J. C. and Satyavir. 2009.** Meliacin contents during different reproductive phenophases in *Azadirachta indica* A. Juss. *Current Science*, 97(11): 1543-1544.

Patent filed

- Azam, M.M. 2007.** A novel method for isolating aloin by extraction from yellow sap of *Aloe vera*. *Indian Patent Application Number: 2712/DEL/2007.*
- Azam, M.M., and P.R. Meghwal. 2008.** Preparation and method of Processing of Aloe Candy from Aloe species. *Indian Patent Application Number: 262/DEL/2008.*
- Azam, M.M. 2010.** A novel product Aloe Jelly and the method of processing the same. *Indian Patent Application Number: 274/DEL/2010.*
- Azam, M.M., A. Waris, A. Pancholy and R. K. Kaul. 2010.** Aloe Pickle and the method of processing the same. *Indian Patent Application Number: 639/DEL/2010.*