

Publications

Research Publications:

Books chapters	Papers in Refereed National and International Journals	Papers presented in Conference or Symposium
02	09	12

Citation: 187
h-index: 7
i10-index: 7

1. Book chapters:

- **AB Hemavathi**, H Umesh Hebbar and KSMS Raghavarao (2011). Reverse micellar extraction of bioactive compounds for food products, in: *Enhancing Extraction Processes in the Food Industry*, Taylor and Francis Publications. CRC Press. Editors: N Lebovka, E. Vorobiev, F. Chemat. 399-436.
- **AB Hemavathi** and Siddaramaiah (2016). Food packaging applications of polymers, in: *Encyclopedia of Polymer Applications*, Taylor and Francis Publications.

2. List of publications in the international referred journals:

- **AB Hemavathi**, G Anupama, KV Vani, P Asha, NS Vijayalakshmi, KR Kumar (2002). Physico-chemical and mechanical properties evaluation of polyolefin films and composites. *Popular Plastics and Packaging*. 1, 65-70.
- **AB Hemavathi**, H Umesh Hebbar and KSMS Raghavarao (2007). Reverse micellar extraction of bromelain from *Ananas comosus* L. Merryl. *Journal of Chemical Technology and Biotechnology* 82: 985-992.
- **AB Hemavathi**, H Umesh Hebbar and KSMS Raghavarao (2008). Reverse micellar extraction of β -galactosidase from barley (*Hordeum vulgare*). *Applied Biochemistry and Biotechnology* 151: 522-531.
- **AB Hemavathi**, H Umesh Hebbar and KSMS Raghavarao (2010). Mixed reverse micellar systems for extraction and purification of β -glucosidase. *Separation and Purification Technology* 71: 263–268.
- **AB Hemavathi** and KSMS Raghavarao (2011). Differential partitioning of β -galactosidase and β -glucosidase using aqueous two phase extraction. *Process Biochemistry* 46,649-655.
- **AB Hemavathi** and KSMS Raghavarao (2011). Membrane processing for purification and concentration of β -glycosidases of Barley (*Hordeum vulgare*). *Biotechnology and Bioprocess Engineering*. 16,282-290.
- H Umesh Hebbar, **AB Hemavathi**, B Sumana and KSMS Raghavarao (2011). Reverse micellar extraction of bromelain from pineapple (*Ananas comosus* L. Merryl) waste: scaleup, reverse micelles characterization and mass transfer studies. *Separation Science and technology*. 46, 1656-1664.
- Sunil Kumar, **AB Hemavathi** and H Umesh Hebbar (2011). Affinity based reverse micellar extraction and purification of bromelain from pineapple (*Ananas comosus* L. Merryl) waste. *Process biochemistry*. 46,1216-1220.

- H Umesh Hebbar, B Sumana, **AB Hemavathi** and KSMS Raghavarao (2012). Separation and purification of bromelain by reverse micellar extraction coupled ultrafiltration and comparative studies with other methods. *Food and Bioprocess Technology*. 5, 1010-1018.

3. Papers presented in the International/National Conferences/Symposia:

- **A. B. Hemavathi** and Siddaramaiah, Epoxy Based Composites for Advanced Biomedical Applications. National conference on novel polymeric materials: synthesis, processing and characterization, POLYCON 2017, held at Sri Jayachamarajendra College of Engg., Mysuru, during 15 and 16th September 2017.
- **A. B. Hemavathi**, Preethi S, Mohammed Iqbal and G M Shashidhara, Isothermal Crystallization Kinetics Study of Nylon 66/LDPE Blends, POLYCON 2017, held at Sri Jayachamarajendra College of Engg., Mysuru, during 15 and 16th September 2017.
- **AB Hemavathi**. Development of Biopolymer Based Nanocomposite Films of Improved Mechanical and Barrier Properties. International Symposium on Advanced Materials for Engineering Applications (ISAMEA) 2017, NIE, Mysuru.
- Sowmya B, Preethi S, **A.B. Hemavathi**, B.S. Madhukar, Roopa, S and Siddaramaiah. Preparation and characterization of PU/PMAA Based Interpenetrating Polymer Networks, International Conference on Advanced Materials and Technology (ICMAT-16), held at Sri Jayachamarajendra College of Engineering, Mysuru, during 26th to 28th May 2016.
- **AB Hemavathi and KSMS Raghavarao**. Differential partitioning of β -galactosidase and β -glucosidase using aqueous two phase extraction. ICFOST 2009, Bangalore.
- **AB Hemavathi**, H Umesh Hebbar and KSMS Raghavarao. Mixed reverse micellar systems for extraction and purification of β -glucosidase. IFCON 2008, Mysore.
- **AB Hemavathi**, H Umesh Hebbar and KSMS Raghavarao. Reverse micellar extraction of β -galactosidase from barley (*Hordeum vulgare*). NHBT 2007, Trivandrum.
- **AB Hemavathi**, H Umesh Hebbar and KSMS Raghavarao. Nanoparticulate system for the extraction of fruit bromelain. ICFOST 2006, Hyderabad.
- B Sumana, **AB Hemavathi**, H Umesh Hebbar and KSMS Raghavarao. Separation and purification of bromelain from pineapple waste using reverse micellar extraction. ICFOST 2006, Hyderabad.
- H Umesh Hebbar, **AB Hemavathi** and KSMS Raghavarao. Peroxidase extraction from radish using reverse micellar systems. ICFOST 2006, Hyderabad.
- **AB Hemavathi**, H Umesh Hebbar and KSMS Raghavarao. Reverse micellar extraction of fruit bromelain using cationic surfactant. ICFOST 2005, Bangalore.
- Naveen Nagaraj, B Ravindra Babu, **AB Hemavathi**, H Umesh Hebbar, KSMS Raghavarao and Sanjay Nene. Osmotic membrane distillation: A potential alternative for the concentration of liquid foods and natural colors. IFCON 2003, Mysore.

