

## Workshop On

### Chemistry and Mathematics for Biologists

Gujarat State Biotechnology Mission (GSBTM) Sponsored workshop on 'Chemistry and Mathematics for Biologists' was organised by CG. Bhakta Institute of Biotechnology, Uka Tarsadia University from 26<sup>th</sup> to 27<sup>th</sup> March. under active coordination of Dr. Gopal Jee Gopal, Assistant Prof. C .G.Bhakta Institute of Biotechnology. There were 71 participants from 6 different universities/institutes of Gujarat including host institutes have participated for the workshop. Participants were not only students but also laboratory technician and faculties.

The workshop had a dynamic start with the inaugural ceremony which was graced by the presence of Dr. R. Krishnamurthy, Director of C. G. Bhakta Institute of Biotechnology and Dean of Faculty of Science. The workshop was very well organized by Dr. Srivathsa Nallanchakravarthula, Prof. Rajashekhar Ingalhalli, Ms. Sheetal Kulkarni and Ms. Monika Mehta. The whole academic event was very well co-ordinated by Dr. Gopal Jee Gopal who guided the students through some very important aspects of mathematics and chemistry useful in biology. A test was organized for the participants by Dr. Gopal Jee Gopal to refresh the fundamentals of mathematics and chemistry. After lunch, we had Dr.Urjita Sheth, faculty, C. G. Bhakta Institute of Biotechnology, Uka Tarsadia University with us who threw light on 'Mole concept and solution'. All the aspects of Molarity, Normality, Molality, Mole fraction, Percentage solution, etc were covered very accurately and precisely by her. This session also included some interesting activities for the participants as well as some brainstorming exercises. The day had an energetic end with an informative and interactive session on 'Preparation of Solution' by Dr. Gopal Jee Gopal, Assistant Professor, C. G. Bhakta Institute of Biotechnology, Uka Tarsadia University. The second day witnessed a dynamic start with an engaging and vital session led by Dr. Paresh Patel, Assistant Professor, Department of Chemistry, Uka Tarsadia University. He discussed about Buffers and their importance in a detailed manner which also included calculations and numerical exercise regarding how to make buffers and their use. This session was followed by lunch and after that we had an interesting hour where students conducted the session and came up with some questions related to chemistry and mathematics and helped everyone solve them. This session was followed by yet another interactive session by Dr. Gopal Jee Gopal where he discussed the

answers of the test taken on the first day and helped participants solve their doubts. With this the workshop headed towards the end wherein the feedback from students was asked and appreciated. The valedictory ceremony witnessed Dr. D. R. Shah, Provost, Uka Tarsadia University who blessed us with his words of wisdom and also encouraged us to organize more events like this in future. The workshop witnessed participants from various universities/colleges of Gujarat wherein not only postgraduate students but laboratory technicians and faculty members also showed active participation. The GSBTM sponsored workshop on 'Chemistry and Mathematics for Biologists' -2018 was beautifully veiled down by Dr. Gopal Jee Gopal with his Vote of thanks.



Inauguration of Workshop: Dignitaries on the Dias are Prof. R Krishnamurthy, Prof. Rajashekhar Ingalhali, Dr. N.Srivathsa and Dr. Gopal Jee Gopal



All participants with resource person of the workshop



Honourable Provost, Dr. D.R. Shah addressing the Participants of the workshop during valedictory function.



Dr. Gopal Jee Gopal, Coordinator of the workshop, Presenting Mementos to Resource person, Dr. Urjita seth.



Honourable Provost Distributing Certificates to the participants who are from other Universities.



**Participants of other Universities**