



# DSCA NEWS LINK

(A News Link Among the Alumni of Dairy Science College, Anand)

VOLUME 6 NUMBER 2

JULY-DECEMBER 2002

## EDITORIAL

The world is gradually moving towards the fully open door economy. In the changing scenario, organizations are facing stiff competition and are also compelled to market high quality products at competitive prices. Global competitiveness has given rise to Total Quality Management and Continuous Quality Improvement concepts. In this direction our association had organized two national seminars, one on **Quality Management** and another on **Technology Management**. However, this is not enough and for survival in today's competitive market one has to plan for efficient utilization of the available resources, leading to productivity improvement and minimization of waste. The management of a dairy plant operating under present day economic conditions will no doubt be well aware of the commonly identified wastes associated with all types of resources/inputs - raw materials, processes, products, storage, distribution, marketing, human working hours, finance, etc. Toyota's Fujio Cho (Japan) has defined waste as anything other than the minimum amount of equipment, materials, parts, and workers (working time) which are absolutely essential to production. This means, if all the resources are optimally used along with good manufacturing practices and optimization of process operations, it is possible to minimize the waste and manage it more efficiently. This can lead to drastic improvement in resource utilization factor and, thereby improved profitability as well as competitiveness. **Waste Management in Dairy Industry** is, therefore, chosen as the theme topic for the ensuing national seminar to be organized by the association.

## Quest for Knowledge



A Book, titled "Quest for Knowledge" containing compiled lectures on various technical topics delivered at different dairy plants by subject matter specialists, is available at Rs. 200/- per copy from the office of the Alumni Association.

Sponsorship for DSCA News Link is invited. Each issue of News Link costs the association around Rs. 10,000/-. Interested parties and alumni either individually or in a group may sponsor the issues of News Link. Their contributions will be appropriately acknowledged.

## Looking for a Technical Help?

Association extends cooperation in solving your technical problems by discussing the issues of your concern at your doorstep in form of technical sessions. The dairy/food plants and other interested organizations may write to the Principal, SMC College of Dairy Science, GAU, Anand - 388 110 for organizing such technical sessions.

## EDITORIAL COMMITTEE

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*A News Letter of*



**Alumni Association**

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**Gujarat Agricultural University**

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## ASSOCIATION NEWS

### EC Meeting

16<sup>th</sup> EC meeting of the Association was held on 12<sup>th</sup> November 2002 at DSC, Anand. It was decided to write to few more dairy plants to organize a technical session. It was resolved in this meeting to organize the Fifth Alumni Convention and National Seminar during 12-13 April 2003 at SMC College of Dairy Science, GAU, Anand. The theme of the seminar will be 'Waste Management in Dairy Industry'. During Alumni convention, Alumni of B Sc (DT) (1976 to 1978 batches) and IDD (DT) (1973 to 1976 batches) will be honoured. A committee will be constituted in the leadership of Shri JN Patel to finalize the list of awardees and publication of their career profile.

### National Seminar & Alumni Convention

The National Seminar on "Waste Management in Dairy Industry" followed by fifth "Alumni Convention" will be organized during April 12-13, 2003 at SMC College of Dairy Science, Anand. All the alumni are specially invited to attend the programme. The alumni convention is a memorable event of reunion and should not be missed. At this programme, degree holders of 1976-78 and diploma holders of 1973-76 batches will be honoured. Kindly register early and help us to organize the programme in a better way. We also request you to help us financially by sponsoring some events and help in bringing the advertisements through your contacts. The advertisement tariff for the souvenir is Rs. 4000/- for full page, Rs.2500/- for half page and Rs. 1500/- for quarter page. The tariff for exhibition stall is Rs. 5000/- and Rs. 7500/- with full page advertisement in the souvenir.

### Notice for General Body Meeting

General body meeting of alumni association will be held on April 13, 2003 at 3.30 pm to discuss the following agenda.

1. Approval of the minutes of the last (fourth) general body meeting
2. Presentation of annual report by the Secretary
3. Appointment of the new Executive committee for the association.
4. Any other item with the permission of the chair.

All the members are informed to remain present.

Secretary

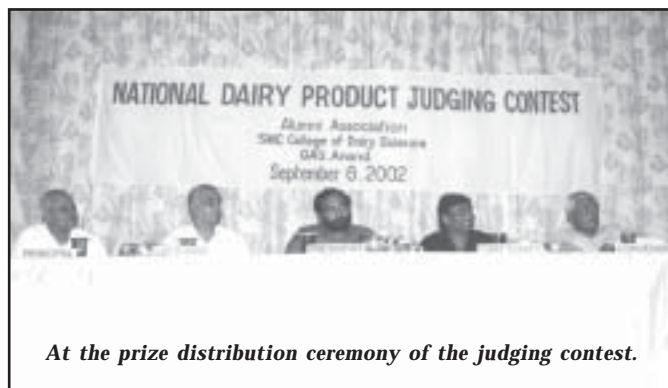
### Website

Website is made functional by the overseas alumni. The site is <http://geocities.com/alumnismc>

Alumni Association heartily acknowledges the efforts of Shri Chirag Shukla and other alumni and thanks them for the excellent work done by them.

### National Dairy Product Judging Contest

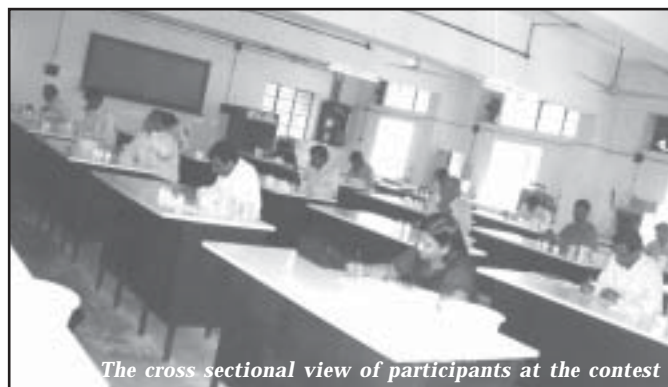
National Dairy Product Judging contest was jointly organized by the Alumni Association and the Faculty of Dairy Science on September 6, 2002 at SMC College of Dairy Science, GAU, Anand. Totally 33 participants from 11 teams — 5 from Universities and 6 from dairy plants and professionals — took part in the contest. Milk, paneer, ghee and dried milk were the products offered for judging.



*At the prize distribution ceremony of the judging contest.*

### The results of the contest are as under:

Category	First Prize	Second Prize
University Team	SMC College of Dairy Science, GAU, Anand	National Dairy Research Institute, Karnal
Dairy Plants Team	Vidya Dairy, Anand	Sumul Dairy, Surat
Individuals-Student	Mr. Amrish Chawla, SMC College of Dairy Science, GAU, Anand	Mr. B.K. Pawar, Mahatma Phule Krishi Vidyapeeth, Rahuri
Individuals-Professionals	Mr. Rajesh Vagharia, Sumul Dairy, Surat	Mr. Ram Kumar, Sumul Dairy, Surat



*The cross sectional view of participants at the contest*

In the Prize distribution ceremony, Dr. R.S. Patel, Managing Director, Panchmahal Dist. Co-op. Milk Producers' Union, Godhra was the Chief Guest, while Shri G.R. Patel, Director of Campus, GAU, Anand presided over the function. Dr. M.C. Vyas, Ex-Managing Director, Uttam Dairy, Ahmedabad was present as the Guest of Honour.

## Dr. JR Patel Memorial Charitable Trust

### Third Meeting of Dr. JR Patel Trust

The third meeting of Dr. J.R. Patel Memorial Charitable Trust was held at SMC College of Dairy Science, Anand on 12<sup>th</sup> November 2002. The trustees approved the modified "Dr. JR Patel Memorial Scholarship Scheme" and also approved the awardees for the year 2002-03. The scheme for "Dr. JR Patel Memorial Award" was also approved by the trustees and will be implemented from the year 2003. The trustees thanked the Alumni Association, SMC College of Dairy Science for transferring the donations (Rs. 2,52,875.50/-) collected by the Association as Dr. J.R. Patel Memorial Fund to the trust.

### Scholarships

Dr. JR Patel Memorial Scholarship for the academic year 2002-2003 has been awarded to Mr. Pramodkumar D. Savant and Mr. Jaduram M. Raval of first and third semester B Tech (DT) respectively, at the rate of Rs. 750/- per month.

### Dr. JR Patel Memorial Lecture

'Dr. JR Patel Memorial Lecture', the first in the series, was organized on 12<sup>th</sup> November 2002 at SMC college of Dairy Science, Anand. Prof. K. Prathap Reddy, Director, Institute of



*Prof. K. Prathap Reddy, Director, IRMA delivering the first Dr. JR Patel Memorial Lecture.*

Rural Management, Anand delivered this lecture on the topic "Role of Faculty, Alumni and Students in Institution Building". The excerpts from his lecture are given below:

"I feel greatly honored to have been invited to deliver the inaugural 'Dr. Jashabhai R Patel Memorial Lecture.' It is a befitting tribute to a great institution builder, the founder Principal and Dean of this excellent college to speak on the institution on the topic of institution building. Your college has already emerged as India's best institution in the field of education and training in dairy science and technology, thanks to the tireless efforts of your great leader like Dr. JR Patel. You should all be proud of having been members of its family, and I am sure you will continue to contribute to upholding its reputation in the long run."

### "Role of Faculty

Leaders and management alone do not build institutions - they certainly play an important enabling role. The faculty does the real hard work, ably supported by the staff. Self-regulation,

feeling proud of the institution and its traditions, putting institution's objectives and goals before one's own goals, giving one's best in every activity all the time are hallmarks of faculty and staff in an excellent institution.

Faculty have to be the role models for their students; and senior faculty to the junior faculty. If the institution is to succeed in shaping the values and norms of the society, not only they themselves have to be firmly committed to such values and norms, but also they should live by them - walking the talk.

Projecting and managing the image of the institution in the society and in the field rests mainly with the faculty - how they conduct themselves in the outside forums, how they present their institution to the outsiders, how they manage their own activities - business-like, efficient, purposeful, and results-oriented."

### "Role of Students

Maintaining discipline, taking studies seriously, and attending classes regularly are all common expectations from any student in any college. But students in excellent institutions do much more than this. They contribute in a significant way to the image and culture building of the institution. They strive for excellence in whatever they do, take great pride in their work, and in the institution to which they belong. They are, like the alumni, are the torchbearers of their institution.

Students in many high performing institutions take responsibility for a significant part of the academic administration too, especially in management institutions. These include managing their hostels, annual events, providing inputs to admission and placement related activities, and making presentations of their institutions to the prospective employers."

### "Role of Alumni

Quality and taste of pudding is known only after eating it. The faculty can give their best to their students - but how they perform in the field is ultimately what matters. And that is in the hands of the alumni. It is the alumni and their performance, which bring glory to the institution. Living up to the expectations of the institution - both, in terms of choice of career and their quality of performance - is the most valuable contribution of alumni to their alma mater.

Protecting the interests of their alma mater is another contribution they can make. Contributing financially is another way by which alumni can help their alma mater. This could be in terms of donations, instituting gold medals, instituting Chairs, instituting scholarships, and so on.

The occasion of periodic get-togethers of alumni can be used to help the institution to introspect about its programmes and activities. Alumni can play the role of a true friend - a critic, counselor and a well wisher to help update the curriculum, provide support for research projects, and give their time for the Institute's academic work.

For alumni's role to be effective, it is essential that the college provides adequate support for the alumni affairs - in terms of faculty time, office space, and secretarial assistance. A vibrant alumni-alma mater relationship flourishes only when both parties come together to help each other."

## THE AWARDS FROM DR. JR PATEL TRUST

Dr. JR Patel Memorial Charitable Trust has instituted following two awards for the alumni and faculty members of SMC College of Dairy Science from the year 2003.

1. 'Dr. JR Patel Memorial Award for Education and Research'
2. 'Dr. JR Patel Memorial Award for Dairy/ Food Professionals'

Each award comprise of a cash amount of Rs. 1001, a shawl and a citation. The purpose and spirit of these awards is to recognise outstanding contributions in India or abroad, of an educationist and/or researcher and professional as an individual or as a team. Contributions of 10 years preceding the year for which applications are invited will be considered for the award. The claim of achievements/contributions by the candidate(s) must be duly supported by documentary evidences/publications etc.

**Applications/nominations are invited in prescribed formats for both the awards for the year 2003. Application forms can be obtained from the Secretary, JR Patel Trust.**

**The last date for receiving completed applications/nominations is February 28, 2003.**

### Reflections from the Alumni:

" For the first time, I received DSCA News Link through email and I am very much delighted that now I can be more close to my friends linked to DSC, Anand. It reminds me wonderful days of College life at Anand. Credit of my career goes to DSC, Anand."

— Sanjeev Kumar Yadav, B Sc (DT) 1988.

" The edition of DSCA was totally professional looking. Its Out look is marvelous"

— Chirag Shukla, B Tech (DT) 1997.

" The DSCA News Link is the link between 'the past' and 'the to-be-future' of SMC College. The format and the content of the news link have been very impressive and informative."

— Kamal Kakkad, B Tech (DT) 1999.

" It was a pleasant surprise to have DSCA News Link on net"

— Prem Ranjan Thakur, B Tech. (DT) 1999

— Suresh Jaisinghani, B Sc (DT) 1988.

"I get delighted every time I receive the news letter and I am glad to read more news about my seniors and juniors regularly."

— T. John Smith, B Tech (DT) 1996.

" I am really pleased to receive the DSCA News link after becoming a life member of Alumni Association. Thank you very much for the same. I have started contacting my old friends."

— A Vishwanathan, B Sc (DT) 1973.

" I feel very much attached to the alma mater still and think that it was the best education one can ever get"

— Chirag Pandya, B Tech (DT) 2000.

### An Appeal...

The Alumni Association does not have the contact details for the following Alumni who are to be honoured at the forthcoming Alumni Convention. All the readers are requested to send their details if known to them to the Convenor Alumni Association. Also inform the concerned Alumni to contact the Convenor, Alumni Association immediately.

Panchal, Hasmukh S.	B Sc (DT)	1977
Patel, Ambalal S.	B Sc (DT)	1977
Patel, Arvindbhai B.	B Sc (DT)	1977
Chavda, Jorubhai B.	B Sc (DT)	1978
Chudasama, Laxmidas R.	B Sc (DT)	1978
Kansagara, Chandulal A.	B Sc (DT)	1978
Mansuri, Inusbhai M.	B Sc (DT)	1978
Manvar, Laxmanbhai S.	B Sc (DT)	1978
Patel, Anantkumar S.	B Sc (DT)	1978
Shah, Jitendra O.	B Sc (DT)	1978
Shempru, Donandson	B Sc (DT)	1978
Singh, Jagdish R.	B Sc (DT)	1978
Patel, Vinubhai M.	IDD (DT)	1973
Azez, Abdul A.K.	IDD (DT)	1974
Chaudhary, G.J.	IDD (DT)	1974
Patel, Jashbhai B.	IDD (DT)	1974
Patel, Ghanshambhai V.	IDD (DT)	1975
Bhavsar, Pravin J.	IDD (DT)	1975
Kakuji, Sabbirbhai F.	IDD (DT)	1975
Patel, Pradipbhai A.	IDD (DT)	1975
Patel, Yogeshkumar I.	IDD (DT)	1975
Solanki, Pravinsingh M.	IDD (DT)	1975
Upadhyay, Mahendrakumar P	IDD (DT)	1975
Patel, Narayanbhai J.	IDD (DT)	1976

We gratefully acknowledge the contributions of those Alumni who after reading that the whereabouts of some of our friends were not available with the association responded and gave information. We will now re-link those alumni.

## ALUMNI NEWS

### Awards/Honours/Achievements:

- ◆ Shri **PR Patel, B Sc (DT) 1972**, MD, Sumul Dairy, Surat received "Management Excellence Award-2002" from the Surat Management Association (associated to All India Management Association) for transforming the old organization by using "TPM and world class management practices."
- ◆ Shri **Shishir Ranjan, B Tech (DT) 1994**, secured First position in over all products in Regional Dairy Product Evaluation contest held in October 2002 at Kraft Foods INC., Chicago. He was judged the second best in National Dairy Product Evaluation Contest at Phoenix in October 2002. Shri **Vimal Kamadia, B Tech (DT) 1999**, also participated in National Contest and secured fifth position.

### Appointments/Promotions/Transfers:

- ◆ Dr. **HK Desai, B Sc (DT) 1979**, is appointed as Managing Director at Vidya Dairy, Anand.
- ◆ After completing MBA, Shri **Kamal Kakkad, B Tech (DT) 1999**, has joined IFFCO-TOKIYO General Insurance Company at Ahmedabad, as Marketing Associate.
- ◆ Shri **Pankaj I Patel, B Tech (DT) 1994**, joined Sitaram Gokul Milks Kathmandu Ltd., the Biggest Dairy plant in Nepal in Private sector as Executive Manager.
- ◆ Shri **Sameer Saxena, B Sc (DT) 1991**, joined Mother Dairy, Gandhinagar as Asst. Manager (Production).
- ◆ Shri **Vivek Iyer, B Sc (DT) 1990**, left Vidya Dairy and joined a Dairy in Middle-East.
- ◆ Ms. **Sonal Gupte, B Tech (DT) 1994**, and Shri **Anand Vaja, B Tech (DT) 1997**, joined Vidya Dairy, Anand.
- ◆ Shri **Pranav Shah, B Tech (DT) 1999**, has migrated to Canada and is working as Quality Control Technician with Gaylea Cooperatives Foods Ltd., Toronto. His organization is working on Cooperative Pattern like Amul and the main products are UHT Milk, Cream, Chocolate milk, Liquid Toppings, Whipped Toppings and Ice cream mixes.
- ◆ Shri **Goutam Kumar Das, M Sc (DT) 1991**, has been transferred to Dudhsagar Dairy, Mehsana from Head office, GCMF Ltd., Anand.
- ◆ Mr. **Chirag Pandya, B Tech (DT) 2000**, completed his MS in Food Science from University of Leeds, UK and has joined PhD programme at Glasgow Caledonian University. His research will be on "Encapsulation of Lactobacilli in starch matrices", which is fully funded by the Industry.

- ◆ Shri **Narendra Solanki, B Tech (DT) 1998**, has joined BIOCON, India Ltd., Bangalore.
- ◆ Shri **Harit Vyas, B Tech (DT) 1987**, has joined a cheese company in USA as a Senior Scientist. Before joining there, he completed his Ph D from Massey University, New Zealand and even worked for the same University. He also worked for California Polytech State University as a Visiting Scholar and published few Research Papers.
- ◆ Dr. **Vikram Mistry, B Sc (DT) 1979**, has been promoted to the position of Professor & Head of Dairy Science Department at South Dekota State University, USA.
- ◆ Shri **MA Mistry, B Sc (DT) 1969**, AMUL is promoted as Asst. Manager (Public Relations).
- ◆ Shri **AK Patel, IDD (DT) 1971**, AMUL is promoted as Asst. Manager (Tech).
- ◆ Shri **AS Patel, B Sc (DT) 1980**, AMUL is promoted as Asst. Manager (Tech).
- ◆ Shri **MG Meghani, B Sc (DT) 1979**, AMUL is promoted as Asst. Manager (Tech).
- ◆ Shri **SR Kaushik, B Sc (DT) 1987**, is working with Borland Lab, USA. Prior to this he completed his MS from Cornell University and Ph D from Texas A & M University in Food Chemistry.

### Higher Studies:

- ◆ Shri **Ashwini Kumar Rathore, B Sc (DT) 1988**, and **M Sc (DT) 1992**, working as Dy. General Manger, Mahaan Proteins Ltd., Mathura (U.P.) has submitted his Ph.D. Thesis on "Application of membrane technology for the standardization of whey protein concentrate and its storage stability" to Agra University.
- ◆ Shri **Sudeep Jain, B Tech (DT) 2000**, left Vidya Dairy and joined MS at Utah University, USA.
- ◆ Ms. **Aparna Gupta, B Tech (DT) 2001**, and Shri **Tusar Joshi, B Tech (DT) 2001**, joined M.Sc. (Dairying) at NDRI, Karnal, while Shri **Hemang Dholakia, B Tech (DT) 2001**, joined M.Sc. at CFTRI, Mysore.
- ◆ Shri **Prem Ranjan Thakur, B Tech (DT) 1999**, has joined Texas A&M University, Kingsville, USA for MS in Dairy Chemistry.
- ◆ Shri **Nishant Joshi, B Tech (DT) 2000**, joined Texas A&M University for Masters and is planning to join Doctoral Studies also with University of Texas.
- ◆ Shri **Amol Gandhi, B Tech (DT) 1999**, has joined University of Westminster, London for his Masters.

*Alumni Association congratulates all the alumni for their accomplishments.*

## COLLEGE NEWS

- **JR Patel Meditation Centre:** A meditation centre has been created at our Munshi Hostel in the fond memory of Dr. JR Patel with the help of donation from Shri BG Patel. The centre was inaugurated by H'ble Mahendra Swamiji on 20-10-2002. Dr. MC Desai, Director, Student's Affairs, GAU was the President of the function.

At the function more than 150 Alumni and other guests were present.



*Holy Inauguration of the Meditation Centre*

- The 28<sup>th</sup> Convocation of the Gujarat Agricultural University will be held at Junagadh Campus of the University on January 28, 2003.
- Dr. **SS Sannabhadti, Principal, DSC** and Shri **VN Borkhatriya, B Sc (DT) 1993**, participated in the Second International Convention and Exhibition on Agro and Food Processing Industry organized by Confederation of Indian Industries during 21-24 November 2002, at Ahmedabad.
- Dr. **VR Boghra, B Sc (DT) 1977**, and Shri **VN Borkhatriya, B Sc (DT) 1993**, participated in Symposium on "Agrochemical Residues and Pollutants in Ecosystem" organized by Indian Society of Agricultural Chemists at BACA, Anand during November 27-28, 2002. Dr. Boghra presented a paper on "Chemical pollutants in milk and milk products" and Shri Borkhatriya presented a paper on "Pesticide residues in milk and milk products-Their Status and Safety Aspects".
- Dr. **RS Sharma, Ex-Principal, DSC**, was invited to deliver Dr. M De Memorial Lecture at the Annual Convention of Indian Society of Agricultural Chemists at BACA, Anand.
- Dr. **BP Shah**, Professor and Head, Dairy Engineering and Dr. **AG Bhadania, B Sc (DT) 1978**, participated in Winter Schools on ' Production Technology of Agricultural Equipment' and ' Entrepreneurship Development of Rural Women through Appropriate Agro processing Technologies' during September 4-24,

2002 and November 12-December 2, 2002 at Central Institute of Agricultural Engineering (ICAR), Bhopal.

- The following faculty members have been promoted to the posts mentioned against their names.
  1. Dr MJ Solanky - Professor, Dairy Technology
  2. Dr AJ Pandya - Professor, Dairy Technology
  3. Dr PS Prajapati- Professor, Dairy Technology
  4. Dr JB Amin- Professor, Dairy Microbiology
  5. Dr JB Prajapati- Professor, Dairy Microbiology
  6. Dr S Singh - Professor, Dairy Chemistry
  7. Dr VR Boghra- Professor, Dairy Chemistry
  8. Dr BP Shah -Professor, Dairy Engineering
  9. Dr AG Bhadania - Professor, Dairy Engineering
  10. Dr HG Patel - Associate Professor, Dairy Technology
  11. Dr Atanu Jana - Associate Professor, Dairy Technology
  12. Dr PK Bhatt - Asso. Prof., Dairy Business Management
  13. Mr. Sunil Patel - Asst. Prof. (Sr. Scale), Dairy Engg.

### Annual Day

Students' Representative Council celebrated the Annual Day of the College on August 9, 2002. Prof Hitesh Bhatt, faculty from IRMA, was invited as the Chief Guest of the function.

### Donations for Hostel Development:

1. Dr. JR Patel Meditation Centre:  
Rs. 28,014/- Shri BG Patel, B Sc (DT) 1972
2. Reading Room:  
Rs. 2,000/- Shri Proushi Rawat, B Tech (DT) 2000 and Shri Siddharth Nangia, B Tech (DT) 2000.  
Rs. 385/- Shri Hemang Dholakia, B Tech (DT) 2001.
3. Glow-shine boards:  
Glow-shine board with slogans and quotations are placed in the hostel:  
Rs. 4,500/- Dr. RS Patel & Dr. MJ Solanky, B Sc (DT) 1975; Rs. 3,200/- Shri BG Patel, B Sc (DT) 1972 and Rs. 1000/- each from Shri Subin Jose, B Sc (DT) 1991; Shri Nishith Shah, B Sc (DT) 1988; Shri Kalpesh Trivedi, B Sc (DT) 1988; Shri Ashok Shrma, B Sc (DT) 1987; Shri Ashwini Kumar Rathore, B Sc (DT) 1988; Shri RM Joshi, B Sc (DT) 1981; Shri Divyesh Patel and Shri Ganga Raju S., B Tech (DT) 2001; Shri Viral Joshi and Shri Janak Dave, B Tech (DT) 2001; Shri Rajsekhar Tellabati, M Sc (DE) 2002; Shri Vivek & Shri Amit for Late Dr. R.V. Miyani.
4. Wall clock (four): of Rs. 410/- each:  
Miss Prateebha Jain, Shri SS Sohail, Shri Anuragpal Bishta & Shri Piyush Pandit, all B Tech (DT) 2001.
5. Food Aid:  
Rs. 1,000/- an alumnus  
Rs. 1,000/- Shri Vijay Solanky (C/o. Dr. MJ Solanky)

6. General Development:

Rs. 7,311/- Present students, Rs 5,000/- Shri Nishith Shah, B Sc (DT) 1988; Rs. 5,000/- Shri Ketan Bhatt, BSc (DT) 1988; Rs. 5,000/- Shri KJ Kinariwala, B Sc (DT) 1982; Rs. 5,000/- Shri MM Thakor, B Sc (DT) 1982; Rs. 5,000/- Shri Sanjay Vij, B Sc (DT) 1986; Rs. 700/- GS Fund by Shri Desu S Ravi, B Tech (DT) 2002.

**Alumni Association appreciates all the Alumni for their generous donations and Dr. MJ Solanky for coordinating the development work of hostel.**

**Donations for JR Patel Charitable Trust**

- Rs. 5,000 Shri JN Patel, B Sc (DT) 1977
- Rs. 0,500 Shri PB Patel, B Sc (DT) 1980
- Rs. 0,500 Shri NS Dave, B Sc (DT) 1985
- Rs. 1,000 Alumni of Assam State

**MEASUREMENT OF HOLDING TIME IN HTST PASTEURIZER**

The confirmation of holding time in HTST pasteurizer is essential for HACCP/ISO requirement of the dairy plant. Normally, the milk is heated to 72-75 °C for 15-16 seconds in HTST milk pasteurizer. The holding time is based on the internal diameter of the tube and the flow rate of milk in the pasteurizer. A simple method is shown below here to estimate the holding time in HTST plant.

$$\text{Holding time} = \frac{\text{Volume of holding tube, m}^3}{\text{Volumetric flow rate, m}^3 \text{ per second}}$$

The volume of holding tube can be determined by taking dimensions of the tube.

[i.e. Volume of holding tube =  $\frac{\pi}{4} D^2 L$ , D = Internal diameter and L=length of the tube].

The volumetric flow rate is the volumetric capacity of the pump, which is supplying the milk to the plant. The residence time is based on the velocity (V) of milk in the tube and is equal to L/V.

$$\text{The velocity (V) of milk flow} = \frac{\text{volumetric flow rate}}{\text{cross sectional area of tube}} = \frac{4Q}{\pi D^2}$$

It is also experienced that flow rate of milk decreases as the plant operation progresses due to formation of milk deposit in the plates which in turn increases the head of the pump. Under such condition, holding time increases as flow rate drops. Therefore, if holding time at the start of the plant is as per the required level then subsequently it will be more. It is possible to establish a graph between flow rate of milk in the plant and time period of milk processing. Accordingly, based on the graph of processing time Vs holding time, relationship can be established to cover the entire processing period of the plant.

(Contributed by: Dr. A. G. Bhadania, Professor, Dairy Engg. Dept., SMC College of Dairy Science, Anand)

**OTHER NEWS**

- Vidya Dairy has been awarded a “Letter of Appreciation” for rendering excellent services in the field of Energy Conservation by implementing measures suggested by Gujarat Electricity Board during their energy audit. An Award was presented by Shri Kaushik Patel, Minister of Energy on 17-08-2002 at Ahmedabad during a seminar on “Energy Conservation Awareness” organized by the Association of Energy Auditors. Dr. H.K.Desai, MD, Vidya Dairy, along with his colleague Shri Ajay Zala and the topper student Ms. Nidhi Bansal received the award on behalf of Vidya Dairy.
- Third Year B Tech (DT) students undergoing their studies at Vidya Dairy will now be given 9 days training at Mansinh Institute of Training (MIT), Mehsana to further sharpen their technical skills.
- XXXII Dairy Industry Conference on ‘Indian Dairying-Positioning Globally’ will be held at Chandigarh during March 7-9, 2003. For more details, please contact the Conference Secretariat, C/O MILKFED, Punjab, SCO 153-154. Sector 34 A, Chandigarh 160 022. Phone 91-172-604303 / 304. e-mail milk-hod@chd.nic.in .

**ANNOUNCEMENTS**

- Alumni Association is building up its database on the details of the members. Please send your postal address, phone, fax and e-mail along with your name and the batch details to update the data bank. Kindly advise your friends also to do so. For this purpose, along with the previous issue of News link, we had sent information forms and requested you all to send us the filled in forms at the earliest. Out of 1274 of us, only 70 have responded and sent their forms. We request the remaining ones to respond positively as soon as possible.
- You must be receiving the DSCA News Link regularly. We not only request you to send your contributions in the form of technical articles or experiences to be shared with other colleagues but also request you to send your feedback on the content and design of the News Link. Your feedback will encourage us to improve and serve in a better way.

**Obituary**

**Shri KC Patel, IDD (DT) 1969, expired on 31st May 2002.**

**Shri PL Patel, ex-faculty in Dairy Chemistry Department (1962-67), expired on 8-12-2002.**

**Alumni Association prays to the Almighty to give eternal peace to the departed souls.**

## National Seminar on “Waste Management in Dairy Industry” and “Alumni Convention” April 12-13, 2003

### THEME

The world is gradually moving towards the fully open door economy. In the changing scenario, organizations are facing stiff competition and are also compelled to market high quality products at competitive prices. Global competitiveness has given rise to Total Quality Management and Continuous Quality Improvement concepts. This calls for efficient utilization of the available resources, leading to productivity improvement and minimization of waste. The management of a dairy plant operating under present day economic conditions will no doubt be well aware of the commonly identified “wastes” associated with all types of resources/inputs – raw materials, processes, products, storage, distribution, marketing, human working hours, finance, etc. Toyota’s Fujio Cho (Japan) has defined waste as “anything other than the minimum amount of equipment, materials, parts, and workers (working time) which are absolutely essential to production”. This means, if all the resources are optimally used along with good manufacturing practices and optimization of process operations, it is possible to minimize the waste and, manage it more efficiently. This can lead to drastic improvement in resource utilization factor and, thereby improved profitability as well as competitiveness.

The management of the waste is of vital significance for the dairy/food industry, if it has to remain viable and provide an adequate return on investment to its milk producers/share holders. It has to now concentrate its efforts on the factory flow to achieve high productivity and lower unit costs. Moreover, product quality and reliability need to be improved. This seminar is an attempt to dwell upon different aspects of waste prevention, waste minimization, waste control, waste utilization and waste management as a whole.

### TECHNICAL SESSIONS

Two technical sessions are planned to discuss various aspects related to the theme of the seminar. In the technical sessions, there will be two lead papers presented by eminent speakers and there will be 2-3 presentations.

Research, extension and survey type short papers are invited for presentation. The abstract of the paper should be sent before February 15, 2003. Authors of the selected papers will be informed by March 05, 2003 and they will have to send their full manuscript by March 15, 2003 which will be published in the souvenir.

### ALUMNI CONVENTION

The fifth alumni convention of SMC College of Dairy Science is organized as a part of the seminar. At this reunion, about 300, alumni working in various dairy plants and other areas from all over the country will meet and discuss industry related technical matters and share their experiences. At this function the degree holders of 1976 to 1978 and diploma holders of 1973 to 1976 batches will be honoured.

### VENUE

SMC College of Dairy Science, GAU Campus, Anand.

### REGISTRATION

Category	Fees
Students	Rs. 100/-
Alumni	Rs. 200/-
Open ( Non Alumni)	Rs. 400/-

The registration fee should be sent through DD in favour of “**Chairman, Seminar/Workshop Committee, SMC College of Dairy Science, Anand**”

Please send the registration form (enclosed herewith) at the earliest.

### ACCOMODATION

Arrangements for accommodation on payment basis will be made at the following places.

Category	Accommodation	Tariff/day (approx.)
A	Munshi Hostel	Token charges
B	Other hostels at GAU	Rs. 25-75
C	IRMA/NDDB hostels	Rs. 75-150
D	GAU/WALMI Guesthouse	Rs. 250-500
E	Hotels at Anand	Rs. 200-1000

### SOUVENIR

A souvenir on the theme of the seminar comprising of invited papers from the eminent personalities as well as selected presentations will be published and released during the inaugural session of the seminar. Advertisements for the souvenir are welcome.

### EXHIBITION

An exhibition of dairy /food plant machinery/equipment, packaging materials, laboratory instruments, detergents and sanitizers, food additives, books, and other general utilities will be organized during the event. For stall booking, contact the organizers.

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