

MULTANI MAL MODI COLLEGE, PATIALA
Annual Report-2016
(1-1-2016 to 31-12-2016)

1. **Principal** : Dr Khushvinder Kumar, MSc (Maths), PhD
New staff members :

Dr. Veerpal Kaur	Punjabi
Prof.(Ms) Vaneet Kaur	English
Dr.Davinder Singh	Punjabi
Dr.Amandeep Kaur	Economics
Prof.Bhanvi Whadhawan	Zoology
Dr.Santosh Bala	Botany
Dr.Rupinder Sharma	Hindi
Prof.Harneet Singh	Phy. Edu.
Prof.(Ms.)Cheena Chawla	English
Dr.Pooja Rani	Physics
Dr.Harjinder Singh	Chemistry
Dr.Kavita	Physics

- Staff members retired:** (i) Dr. Vinay Kumar Jain, Head, Dept of Chemistry on 31.1.2016
(ii) Prof. Balvir Singh, Head, Dept of Punjabi on 31.3.2016
(iii) Dr. Harcharan Singh, Registrar, Head, Dept of Punjabi on 30.6.2016
(iv) Sh. Lakshmi Kant, Lab Attendant, Dept of Chemistry on 31.1.2016
(v) Sh. Ranjeet Singh, Sports Asst. on 30.4.3016
(vi) Sh. Keshav Singh, Lab Attendant, Dept. of Chemistry on 31.12.2016

2. Extension Lectures:

- (a) The college teachers who delivered lectures in other institutions: **04 (Four)**

Dr. Khushvinder Kumar (Principal)

- (i) **Theme:** Orientation to the Accreditation process of NAAC
Place: FDP at SCD Govt. College, Ludhiana
Date: 18 Jan., 2016
- (ii) **Theme:** Orientation to the Accreditation process of NAAC
Place: FDP at SCD Government College, Ludhiana
Date: 24 Feb., 2016
- (iii) **Theme:** Mixed Method Research
Place: Resource Person, Dept. Of Educational studies CU Jammu
Date: 27 May, 2016
- (iv) **Theme:** Policy Perspectives in Higher Education (Resource Person)
Place: Orientation Course at UGC-HRDC Panjab Univ. Chandigarh
Date: 16 Nov., 2016

(b) **Extension Lectures organized by the College: 09 (Nine)**

- (i) **Theme:** Birthday of Russian Scientist **Dmitri Ivanovich Mandleev** by Dept. of Chemistry
Speakers: (a) Dr Mourad Harir, Eminent Scientist
Helmholtz Zentrum, Munich, Germany
(b) Prof. Ashok Malik, Department of Chemistry,
Punjabi University, Patiala.
Date: 10 Feb., 2016

- (ii) **Theme:** 'Beti Bachao - Beti Padhao' by Dept of NSS
Speakers: Mrs. Kusum Sood, Advocate, Patiala
Date: 16 Feb., 2016
- (iii) **Theme:** 'Social Experience and Creative Writing' by Dept of Punjabi
Speakers: (a) Dr. Waryam Singh Sandhu, Eminent Punjabi Story-Writer
(b) Dr. Kulwant Singh Sandhu, a Punjabi Critic
Date: 9 April, 2016
- (iv) **Theme:** 'Interplay of Market Forces and Social Issues' by Dept. of Commerce
Speaker: Dr. Deepak Kumar, Dept. of Sociology and Social Anthropology,
Punjabi University, Patiala
Date: 4 May, 2016
- (v) **Theme:** 'How Green are your Green vegetables' by Dept. of Bio Sciences
Speaker: Dr. Mandeep Singh, Associate Professor, Thapar University, Patiala
Date: 6 Aug., 2016
- (vi) **Theme:** (a) 'Literature, Culture and Social Media' by Dept. of Languages
Speakers: (a) Dr. Rajinder Pal Singh Brar, Prof. Punjabi Dept. and Additional Dean (Colleges),
Punjabi University, Patiala
(b) Dr. Ravi Kumar 'Anu', Prof. Hindi Department and Head, Bhagwan
Parshuram Chair, Punjabi University, Patiala
Date: 13 Aug., 2016
- (vii) **Theme:** 'Birds of Punjab: A Photographic Ode' by General Study Circle and Heritage Society of
the college
Speaker: Dr. Swaraj Raj, Professor and Head, Dept of English,
SGGSWU, Fatehgarh Sahib
Date: 29 Aug., 2016
- (viii) **Theme:** 'Understanding of Literature' by PG Dept of Punjabi
Speaker: Dr. Satnam Singh Sandhu, Professor, Department of Punjabi, Punjabi University,
Patiala
Date: 9 Sept., 2016
- (ix) **Theme:** 'Sylow's Theorem and its Applications' by Dept of Mathematics
Speaker: Dr. Shalini Gupta, Department of Mathematics, Punjabi University, Patiala
Date: 14 Oct., 2016
- 3. Seminars/Conferences/Exhibition/Workshops/Science Fair/Lectures organized:**
National: 02 (Two)
- (i) **Theme: 8th National Conference on Recent Advances in Chemical, Biological and
Environmental Sciences (RACES-2016)**
Inauguration and Keynote Address: Prof. N Sathyamurthy, Director, IISER, Mohali
Chief Guest (Valedictory Session): Prof. (Dr.) P. S. Jaswal, VC, RGNUL, Patiala
Main Speakers: (a) Prof. A M Deshmukh, Centre of Civilization of Microbiology,
Osmanabad, Maharashtra
(b) Dr. Prince Sharma, Dept of Microbiology, Panjab University, Chandigarh
(c) Prof. Ashok Malik, Punjabi University, Patiala
(d) Dr. Harish Chandra, Central University of Bathinda
(e) Prof. Kuldeep Kumar, CDRI, Lucknow
(f) Prof. J. M. Khurana, Dept of Chemistry, Delhi University
(g) Dr. Anil K. Sharma, Thapar University, Patiala
(h) Dr. P. Srivastva, CDRI, Lucknow
(i) Dr. Satish K. Bhardwaj, Former Principal, M M Modi College, Patiala
Dates: 19-20 Feb., 2016
- (ii) **Theme:** National Symposium on Emerging Trends in Biological Sciences (NSETB-2016)
Inauguration: Dr. R. C. Sobti, Vice Chancellor, Baba Saheb Bhimrao Ambedkar Central

University, Lucknow

Guest of Honour: Prof. Surindra Lal, Member Managing Committee,
Modi Education Society, Patiala

Speaker: Dr. Anil Kumar Puniya, Dean, College of Dairy Science & Technology, Guru Angad Dev Veterinary & Animal Sciences University, Ludhiana

Chief Guest (Valedictory Session): Dr. M.S. Reddy, Dean Research, Thapar University, Patiala

Date: 12 Nov., 2016

Regional : 09 (Nine)

(i) **Theme:** An 'Exhibition Creations-2016' on the theme of 'Beti Bachao - Beti Padhao' by Dept of Fashion Design and Technology

Inauguration: Dr. Sunita Dhir, Former Head and Professor, Dept of Theatre and Television,
Punjabi University, Patiala

Date: 18 Feb., 2016

(ii) **Theme:** Student Leadership Programme (One day programme sponsored by RJNIYD, Chandigarh) by Dept of NSS

Inauguration and Guest Speakers: Ms. Ankita Sharma and Ms. Kamal Preet Kaur,
RGNIYD, Chandigarh

Date: 23 Feb., 2016

(iii) **Theme:** 'Paper Reading and Quiz Competition' by Dept of Bio Sciences

Inauguration and Speaker: Dr. Khushvinder Kumar, Principal, M M Modi College, Patiala

Dates: 1-2 March, 2016

(iv) **Theme:** 'LINUX Operating System' (2 Days Workshop) by Dept of Computer Science

Inauguration: Mr. Anil Kumar, Senior Network Engineer, Brill Infosystems Pvt. Ltd., Mohali

Chief Guest (Valedictory Session): Mr. Rupinder Pal Singh, MD, Brill Infosystems Pvt. Ltd., Mohali

Dates: 5-6 May, 2016

(v) **Theme:** Ten Day Workshop on Mithia Painting by Dept of Fashion Designing

Resource Person: Prof. Veenu Jain

Dates: 2-15 May, 2016

(vi) **Theme:** Orientation Programme for Entry Level Students (2 Day Programme)

Inauguration: Dr. Khushvinder Kumar, Principal, M M Modi College, Patiala

Dates: 19-20 July, 2016

(vi) **Theme:** Workshop on 'Modern Techniques on Sciences' (10 Day workshop) by Dept of Bio Sciences

Inauguration by: Prof. Surindra Lal, Member Managing Committee,
Modi Education Society, Patiala

Dates: 11-20 July, 2016

(vii) **Theme:** 'English Language and Pronunciation' (10 Day workshop) by Dept of English

Inaugurated by: Dr. Khushvinder Kumar, Principal, M M Modi College, Patiala

Dates: 1-10 Aug., 2016

(viii) **Theme:** Seven Day Workshop on 'Web Technologies' by Dept of Computer Science

Inauguration: Dr. Khushvinder Kumar, Principal, M M Modi College, Patiala

Chief Guest (Valedictory Session): Dr Vishal Goyal, Associate Professor, Department
of Computer Science, Punjabi University, Patiala

Speaker: Ms. Nancy, Sr. Programmer Brill Infosystems Pvt. Ltd. Mohali

Date: 20 Oct., 2016

(ix) **Inter-Institutional Science Fair** by Departments of Physical Sciences and Bio Science

Theme: Science for Better Future

Inauguration: (a) Dr. Gurmail Singh, Prof and Former Head, Dept of Physics,
Punjabi University, Patiala

(b) Dr. Jaswinder Singh, Head, Dept. of Botany,
Punjabi University, Patiala

Guest of Honour (Valedictory Session): Dr. Manoj Kumar Sharma, Head, School of
Physics and Material Science,
Thapar University, Patiala

Date: 15 Oct., 2016

(More than 400 students from 18 schools and 9 colleges participated with their models and posters)

4. Conferences / Seminars / Workshops in which faculty members participated / presented papers:

(a) International: 20 (Twenty)

Dr. Khushvinder Kumar (Principal)

(i) **Theme:** 'Impact of Globalization on Values' (Key Note Address)

Place: Govt. College of Education Patiala

Date: 24 Feb., 2016

(ii) **Theme:** 'Morality and Current situation of Punjabi' (Resource Person)

Place: Punjabi People Organization at Bhasha Bhawan, Patiala

Date: 23 March, 2016

Dr. Gurdeep Singh and Dr. Davinder Singh (Punjabi)

(i) **Theme:** 32nd International Punjabi Development Conference (Participated)

Place: Punjabi University, Patiala (DPD)

Dates: 29 Feb. – 2 March, 2016

(ii) **Theme:** 6th World Punjabi Conference (Participated)

Place: Punjabi University, Patiala (Punjabi Literary Study Centre)

Dates: 7-9 Dec., 2016

Dr. Ashwani Sharma (Botany)

Theme: 'Global Warming and Climate Change' in 1st International Conference on 'Emerging Trends in Commerce, Management and Environment Sciences' (ETCMES-2016)

Place: Dept. of Commerce and Management, Govt. Mohindra College, Patiala

Dates: 15-16 Jan., 2016.

Dr. Rajeev Sharma (Chemistry)

Theme: 'Environment Management' in 1st International Conference on 'Emerging Trends in Commerce, Management and Environmental Sciences' (Resource Person)

Place: Govt. Mohindra College, Patiala

Dates: 15-16 Jan., 2016

Prof. (Mrs.) Jagdeep Kaur (Geography)

Theme: 'Global Warming and Climate Change' in 1st International Conference on 'Emerging Trends in Commerce, Management and Environment Sciences (ETCMES-2016)'.
Trends in Commerce, Management and Environment Sciences (ETCMES-2016)'.
Place: Dept of Commerce and Management, Govt. Mohindra College, Patiala

Dates: 15-16 Jan., 2016.

Dr. Neeraj Goyal (Business Management)

(i) **Theme:** 'Sustainability Reporting Practices-Study of BSE SENSEX Companies' in 'Emerging Trends in Commerce Management and Environmental Sciences'

Place: Govt. Mohindra College, Patiala

Dates: Jan. 15-16, 2016

(ii) **Theme:** 'e-Governance – Powerful Tool for Controlling Corruption' at conference 'Reforms in 21st Century: Development and Prospects'.

Place: Punjabi University, Patiala

Date: October 10, 2016

Dr. Ajit Kumar (Computer Science)

- (i) **Theme:** 'A Study of the Integrated Approach of Artificial Intelligence and Software Engineering' in 13th National Conference on 'Management, Information Technology and Engineering (GJ-NatConMITE 2016)'.
Place: Gian Jyoti Institute of Management & Technology
Date: 23 July, 2016

- (ii) **Theme:** 'Role of IT in Management & Engineering: Issues & Prospectus (RITME-2016)' as Chairperson, Sponsored by Dept. Of Science & Technology, Govt. of India
Place: Malout Institute of Management & Information Technology
Date: 27 Aug., 2016

Prof. Ganesh Kumar Sethi and Prof. Harmohan Sharma (Computer Science)

Theme: 'Globalization and its Impact on Indian Culture' in International Seminar on 'Impact of Globalization on Values'.
Place: Govt College of Education, Patiala in collaboration with CTE Punjab and Chandigarh Chapter and State College Alumni Association
Date: 24 Feb., 2016

Prof. Sumeet Kumar (Computer Science)

- (i) **Theme:** 'Computer Application in Financial Decision Making' in 1st International Conference on 'Emerging Trends in Commerce, Management and Environment Sciences (ETCMES-2016)'.
Place: Govt. Mohindra College, Patiala
Dates: 15-16 Jan., 2016

- (ii) **Theme:** 'I.T Tools in e-Governance' in the conference 'Reforms in 21st Century'
Place: Department of Public Administration, Punjabi University, Patiala
Date: 10 Oct., 2016.

Prof. Rohit Sachdeva (Computer Science)

- (i) **Theme:** 'Application of Computer in Business Decision Making' in the conference 'Emerging Trends in Commerce, Management and Environmental Sciences'.
Place: Government Mohindra College, Patiala
Dates: 15-16 Jan., 2016

- (ii) **Theme:** 'e-Governance Tool for Empowering Weaker Sections' in the conference 'Reforms in the 21st Century: Development & Prospects'.
Place: Punjabi University, Patiala
Date: 10 Oct., 2016

Dr. Varun Jain (Mathematics)

- (ii) **Theme:** 'Mathematical application in Financial Decision making.' in 1st International Conference on 'Emerging Trends in Commerce, Management and Environment Sciences (ETCMES-2016)'
Place: Dept of Commerce and Management, Govt. Mohindra College, Patiala
Dates: 15-16 Jan., 2016.

- (iii) **Theme:** 'Geometry of Lightlike submanifolds of Indefinite Trans-sasakian Manifolds' in International Conference on 'Differential Geometry, Algebra and Analysis'.
Place: Dept. of Mathematics, Jamia Millia Islamia, New Delhi-110025
Dates: 15-17 November, 2016

Prof. Vaneet Kaur (English):

Theme: 'A Study of Punjabi /Sikh Community in the Select Diasporic Literature' at conference 'Diaspora and Development: Emerging Multidisciplinary Dynamics of Indian/Punjabi Migration'.
Place: UGC Centre for Diaspora Studies, Punjabi University, Patiala
Dates: 24-26 February, 2016

Dr. Bhanvi Wadhawan (Zoology):

Theme: 1st International Conference on 'Emerging Trends in Commerce, Management and Environment Sciences (ETCMES-2016)' (Participated)
Place: Dept of Commerce and Management, Govt. Mohindra College, Patiala

Dates: 15-16 Jan., 2016.

National: 95 (Ninety Five)

Dr. Khushvinder Kumar (Principal)

- (i) **Theme:** 'NAAC Accreditation: Methodology, Process and Problems' (Resource Person)
Place: Guru Nanak College for Girls Mukatsar
Date: 29 March, 2016
- (ii) **Theme:** 'Skill of Explanation' (Resource Person)
Place: AS College Khanna
Date: 2 May, 2016
- (iii) **Theme:** 'Structure of Mathematics' (Resource Person)
Place: DST Inspire Programme at GHG Khalsa College of Education, Gurusar Sadhar
Date: 25 March, 2016
- (iv) **Theme:** 'Mathematics and Logic' (Resource Person)
Place: DST Inspire Programme at ISF College of Pharmacy, Moga
Date: 8 Aug., 2016
- (v) **Theme:** 'Mixed Method Research' at seminar on Quality Concerns in Research (Resource Person)
Place: GHG Khalsa College of Education, Gurusar Sadhar
Date: 19 Nov., 2016
- (vi) **Theme:** 'Structure of Mathematics' (Resource Person)
Place: DST Inspire Programme at ISF College of Pharmacy, Moga
Date: 22 Nov., 2016
- (vii) **Theme:** 'Model Based Lesson Plan' (Resource Person)
Place: GHG Harparkash College of Education for Women Sidhwan Khurd
Date: 28 Nov., 2016
- (viii) **Theme:** 'Skill of Questioning' (Resource Person)
Place: 113th OC at UGC-HRDC, Panjab University Chandigarh
Date: 15 Dec., 2016
- (ix) **Theme:** 'Mathematics and Logic' (Resource Person)
Place: DST Inspire Programme at GHG Khalsa College Sadhar
Date: 27 Dec., 2016

Dr. Ashwani Sharma (Botany)

- (i) **Theme:** 'Sex and Gender' at national seminar on 'Beti Bachao – Beti Padhao'
Place: SA Jain (PG) College, Ambala City
Dates: 12 March, 2016
- (ii) **Theme:** 'Modern Technique in Sciences' (10 Day Workshop) (Participated)
Place: M M Modi College, Patiala
Dates: 11-20 July, 2016
- (iii) **Theme:** Workshop 'Research as Pedagogy a Science Teacher Education program (RAP – a step) for teachers of undergraduate science courses' (Participated)
Place: Centre of Excellence for Science and Mathematics Education of IISER Pune at PU, Patiala
Date: 29 Sept. – 1 Oct., 2016
- (iv) **Theme:** 'Role of Hypoxylon in Wood degradation of economic Important trees' in 2nd the National Symposium on Emerging Trends in Biological Sciences.
Place: M M Modi College, Patiala
Dates: 12 Nov., 2016
- (v) **Theme:** 'Taxonomic notes on some species of Nectric from Eastern Himalayas' in 2nd National Symposium on Emerging Trends in Biological Sciences.
Place: M M Modi College, Patiala
Dates: 12 Nov., 2016
- (vi) **Theme:** 'Electronic Waste and its effect on Environment' at national seminar on 'Global Environment Changes, Health and Society'.

Place: PG Dept of Political Science and Sociology, Dayanand College, Ajmer (Rajasthan).

Dates: 10 Dec., 2016

Dr. Rajeev Sharma (Chemistry)

- (i) **Theme:** 'Human Rights and Sikhism' at national seminar on Human Rights in India.
Place: Dayanand College, Ajmer
Date: 9th Jan., 2016
- (ii) **Theme:** 'An Islamic perspective of Human Rights' at National Seminar on Human Rights in India
Place: Dayanand College, Ajmer
Date: 9th Jan., 2016
- (iii) **Theme:** 'Women Entrepreneurship in Rajasthan – Problems and Prospects' at National Conference on 'Entrepreneurship Global Economy and Sustainable development'.
Place: Dayanand College, Ajmer (Rajasthan)
Dates: 15-16 Jan., 2016
- (iv) **Theme:** 'Effect of Mercury on envisaged human health' at Seminar and Workshop on Chemistry – Our life our recognition in society.
Place: Govt. Brijindra College, Faridkot
Date: 19-20 Jan. 2016
- (v) **Theme:** 'Indoor Pollutants – A threat to human health' at National Seminar on 'Chemistry and Industrial, Globalization, Environmental Pollution and It's Chem-Biological significance'
Place: Govt. Post Graduate College, Ambala
Dates: 11 Feb., 2016
- (vi) **Theme:** 'Sangeet Rahi Samaj Vich Rashtriya Ekta Da Vikas' at Seminar on 'Secular and Religious Music in Punjab: Growth and Evolution'.
Place: Guru Gobind Singh College for Women, Chandigarh
Date: 27 Feb., 2016
- (vii) **Theme:** 'Environmental Pollution and Management' at National Seminar on 'Contemporary Development issues in Northern India'.
Place: Punjabi University, Patiala
Date: 27-28 Feb., 2016
- (viii) **Theme:** 'Sustainable Development: Conceptual Approach' at National Conference on 'Environmental Sustainability and Social Dynamics NAT-EN-16' (Resource Person).
Place: Rajiv Gandhi National University of Law, Patiala and Punjab Pollution Control Board
Date: 5 March, 2016
- (ix) **Theme:** 'Gender Bias in Indian Society' at National Seminar on 'Beti Bachao – Beti Padhao'.
Place: S.A. Jain (PG) College, Ambala City (Haryana)
Date: 12 March, 2016
- (x) **Theme:** 'Life Skills for Stress Management among Youth' at CTE Annual State Conference, and National Seminar on 'Life Skill Education: Equipping for Life' - 2016.
Place: Mata Sahib Kaur Khalsa Girls College of Education, Patiala
Date: 16 March, 2016
- (xi) **Theme:** 'Good Governance – A Key to Success for special 7 Day NSS Camp' at National Seminar on Governance in the 21st Century.
Place: Punjabi University, Patiala
Dates: 30th March, 2016
- (xii) **Theme:** 'Application of Coordination Compounds in Medicine Biology' at National Conference on 'Recent Advances in Chemical Sciences'.
Place: S.D. (PG) College, Panipat (Haryana)
Dates: 30-31 March, 2016
- (xiii) **Theme:** 'Human Rights of People Living with HIV/AIDS' at National Seminar on Human Rights: Implementation and Challenges.
Place: Govt. College, Khetri, Rajasthan

Date: 5-6 Sept., 2016
(xiv) Theme: '3-substituted formazans for Spectrophotometric Determination of Zinc in Biological Samples' at National Symposium on 'Emerging Trends in Biological Sciences'.

Place: M M Modi College, Patiala

Date: 12 Nov., 2016

(xv) Theme: 'Environment Pollution and Health' at National Conference on 'Global Environment Changes Health and Society' (Resource Person)

Place: Dayanand College, Ajmer

Date: 9 Dec., 2016

Prof. (Mrs.) Jagdeep Kaur (Geography)

(i) Theme: Co-authored paper 'Sex and Gender' at National Seminar on 'Beti Bachao – Beti Padhao'

Place: SA Jain (PG) College, Ambala City

Dates: 12 March, 2016

(ii) Theme: 'Good Governance – A Key to Success for special 7 Day NSS Camp' at National Seminar on Governance in the 21st Century.

Place: Punjabi University, Patiala

Date: 30 March, 2016

(iii) Theme: 'Global Warming: Causes and Impact on India' at Seminar on 'Global Environmental Changes Health and Society (in Absentia)'

Place: PG Dept. of 'Political Science and Sociology', Dayanand College, Ajmer

Date: 10 Dec., 2016

Dr. Neeraj Goyal (Business Management)

(i) Theme: 'Sustainability Reporting under International Financial Reporting Standards' at conference 'Contemporary issues and Challenges in Business Environment'.

Place: Govt. PG College, Ambala

Date: 6 Feb., 2016

(ii) Theme: 'Corporate Sustainability Auditing - A Look into Indian Corporate Sector' at conference 'Chemistry of Industrial Globalisation, Env, Pollutions and its Chem-Biological Significance'.

Place: Govt. PG College, Ambala

Dates: 11 Feb., 2016

(iii) Theme: 'Environment Costs of Mobile Phones' at conference 'Recent Advances in Chemical, Biological and Environmental Sciences'.

Place: M M Modi College, Patiala

Dates: 19-20 Feb., 2016

(iv) Theme: 'Social Media Marketing – Challenges and Strategies' at conference 'Relationship Marketing through Social Networking Sites'.

Place: Kamla Lohtia S D College, Ludhiana

Dates: 5 March, 2016

(v) Theme: 'Role of ICT in Protecting Women Rights' at 'Beti Bachao – Beti Padhao'

Place: SA (Jain) College, Ambala City

Dates: 12 March, 2016

(vii) Theme: 'Business Optimisation Using Mathematical Programming' at conference 'Latest Trends in Algebra and Analysis'.

Place: Guru Nanak Khalsa College, Karnal

Dates: 19 March, 2016

(viii) Theme: 'Role of ICT Tools in e-Governance' at conference 'Governance in the 21st Century'.

Place: Punjabi University, Patiala

Date: 30 March, 2016

(ix) Theme: 'ICT Tolls for Diet Management' at conference 'Emerging Trends in Biological Sciences'.

Place: M M Modi College, Patiala

Date: Nov. 12, 2016

Prof. Ganesh Kumar Sethi (Computer Science)

(i) Theme: 'e-Waste-A Looming Threat' at One Day National Conference on 'Environmental Sustainability and Social Dynamics'.

Place: Rajiv Gandhi National University of Law, Punjab, Patiala.

Date: 5 March, 2016.

(ii) Theme: Seven day Workshop on 'Enhancing Legal Efficacy Among Teachers with Special Reference to women related issues' (Participated).

Place: Women's Studies Centre, Punjabi University, Patiala.

Dates: 15 - 21 March, 2016

Prof. Harmohan Sharma (Computer Science)

(i) Theme: 'e-Waste-A Looming Threat' at One Day National Conference on 'Environmental Sustainability and Social Dynamics'

Place: Rajiv Gandhi National University of Law, Punjab.

Date: 5 March, 2016.

(ii) Theme: Seven day Workshop on 'Enhancing Legal Efficacy Among Teachers' with Special Reference to women related issues (Participated).

Place: Women's Studies Centre, Punjabi University, Patiala.

Dates: 15 to 21 March, 2016

(iii) Theme: One Day Workshop on 'Digital India' (Participated).

Place: Dept of NSS, Punjabi University, Patiala.

Date: 2 March, 2016

Dr. Sukhdev Singh (Computer Science)

Theme: 'Medical Waste Risks and Impact on Health and the Environment' at National Conference on 'Recent Advances in Chemical, Biological and Environmental Sciences (RACES-2015)'

Place: M M Modi College, Patiala

Date: 8 Feb., 2016

Prof. Sumeet Kumar (Computer Science)

(i) Theme: 'Customer References for Online Shopping' at Contemporary Issues and Challenges in B.E.

Place: Govt. Postgraduate College, Ambala Cantt.

Date: 6 Feb., 2016

(ii) Theme: 'Electronic Waste-Environment Issue and Its Management' at conference 'Chemistry of Industrial Globalization, Environmental Pollution and Its Chem-Biological Significance'.

Place: Govt. Postgraduate College, Ambala Cantt.

Date: 11 Feb., 2016

(iii) Theme: 'Challenges of e-Waste Management in India' at RACES-2016.

Place: M M Modi College, Patiala

Dates: Feb. 19-20, 2016

(iv) Theme: 'Social Media Marketing' at seminar on 'Relationship Marketing Through Social Networking Sites'.

Place: Kamla Lohtia SD College, Ludhiana

Date: 5 March, 2016

(v) Theme: 'Role of ICT in Women Empowerment' at seminar on 'BETI BACHAO-BETI PADHAO'

Place: Kamla Lohtia SD College, Ludhiana

Date: 5 March, 2016

(vi) Theme: 'Application of Computer Programming In Graph Theory' at seminar on 'Latest Trends in Algebra and Analysis'.

Place: Guru Nanak Khalsa College, Karnal

Date: 19 March, 2016

(vii) Theme: 'Use of ICT Tools in e-Governance' at the seminar on 'Governance in the 21st Century'.

Place: Dept. of Public Administration, Punjabi University, Patiala

Date: 30 March, 2016

(viii) Theme: One day National Seminar on 'Contemporary Issues in Education' by Panchand Research Institute, Chandigarh (Participated).

Place: Golden Jubilee Hall, Panjab University, Chandigarh

Date: 10 July, 2016

(ix) Theme: 'ICT Tools for Diet Management' at seminar on 'Emerging Trends in Biological Science'

Place: M M Modi College, Patiala

Date: 12 Nov., 2016

Prof. Rohit Sachdeva (Computer Science)

(i) Theme: 'Customer Preferences for Online Shopping' at conference 'Contemporary Issues and Challenges in Business Environment'.

Place: Govt. Postgraduate College, Ambala Cantt.

Dates: 6 Feb., 2016

(ii) Theme: 'Electronic Waste Environment Issue and It's Management' at conference 'Chemistry of Industrial Globalization, Environmental Pollution and Its Chem-Biological Significance'.

Place: Govt. Postgraduate College, Ambala Cantt.

Dates: 11 Feb., 2016

(iii) Theme: 'Challenges of e-Waste Management in India' at conference 'Recent Advances in Chemical, Biological and Environmental Sciences (RACES)'.

Place: M M Modi College, Patiala

Dates: 19-20 Feb., 2016

(iv) Theme: 'Facebook: a powerful tool of Marketing' at conference 'Relationship Marketing Through Social Networking Sites'.

Place: Kamla Lohtia SD College, Ludhiana

Date: 5 March, 2016

(v) Theme: 'Role of ICT in Spreading Awareness on Protecting the Girl Child' in seminar on 'Beti Bachao- Beti Padhao'

Place: S. A. Jain (PG) College, Ambala City

Dates: 12 March, 2016

(vi) Theme: 'Understanding the Role of Computer in Mathematical Problem Solving' seminar on 'Latest Trends in Algebra and Analysis'

Place: Guru Nanak Khalsa College, Karnal

Date: 19 March, 2016

(vii) Theme: 'e-Waste and its Effect on Human Health' at conference on 'Recent Trends in Physical, Chemical & Environmental Sciences'.

Place: Advance College of Science & Commerce, Ujjan

Date: 21 March, 2016

(viii) Theme: 'Use of ICT Tools in e-Governance' seminar on 'Governance in the 21st Century'.

Place: Punjabi University, Patiala

Date: 30, March 2016

(ix) Theme: National seminar on 'Contemporary Issues in Education' (Participated).

Place: Panjab University, Chandigarh

Date: July 10, 2016

(x) Theme: 'ICT Tools for Diet Management' at National Symposium on 'Emerging Trends in Biological Sciences'.

Place: Multani Mal Modi College, Patiala

Date: 12 November, 2016

Prof. Poonam Sharma (Computer Science)

Theme: 'A study of the integrated approach of Artificial Intelligence and Software Engineering' at '13th National Conference on Management, Information Technology and Engineering' (GJ-NatConMITE 2016) (in Absentia)

Place: GJIMT, Mohali

Date: 23 July, 2016

Dr. Kuldeep Kumar (Biotechnology)

Theme: 'Development of Plant based Asparagine Biosensor' at 'Emerging Trends of Biotechnology: A paradigm shift towards cleaner and greener India' sponsored by UGC.

Place: Department of Biotechnology, General Shivdev Singh Dewan Gurbachan Singh Khalsa College, Patiala 147004, Punjab (India)

Date: 8 Oct., 2016

Prof. (Mrs.) Parminder Kaur (Commerce)

Theme: 'e-Commerce in Modern Business' at National Seminar on 'Innovations in Management'

Place: PCMA-DKC, Dashmesh Khalsa College, Zirakpur

Date: 30 Jan., 2016

Dr. Deepika Singla (Commerce)

(i) **Theme:** 'Innovations in Management' at conference on 'The impact of Work Engagement on Performance'.

Place: PCMA-DKC, Dashmesh Khalsa College, Zirakpur

Date: 30 Jan., 2016

(ii) **Theme:** 'Marketing Brand India Globally: Opportunities & Challenges' at conference on 'India Shining at Global Level: a Future Perspective' (UGC Sponsored)

Place: Khalsa College for Women, Ludhiana

Date: 24 Feb., 2016

(iii) **Theme:** 'Strategic Role of Information Technology in Empowering Commerce' at conference on 'Role of IT in Stock Market Operations'.

Place: UGC Sponsored at S.D. College, Ambala Cantt.

Date: 16 March, 2016

(iv) **Theme:** 'Make in India' at national seminar on 'Make in India: Fusion of Opportunities and Schemes in various sectors'.

Place: PMN-PCMA at PMN College, Rajpura

Date: 9 April, 2016.

Dr. Varun Jain (Mathematics)

(i) **Theme:** 'Environment cost of Mobile Phones' at 8th National conference on Recent Advances in Chemical, Biological and Environmental Science (RACES-2016)

Place: M. M. Modi College, Patiala

Dates: 19-20 February, 2016

(ii) **Theme:** 'Role of ICT in spreading Awareness on protecting the girl child' at National Seminar on 'Beti Bachao –Beti Padhao'.

Place: S.A. Jain(P.G) College, Ambala City

Date: 12 March, 2016

(iii) **Theme:** 'Lightlike submanifolds of Indefinite Trans-sasakian Manifolds' at National Seminar on 'Latest trends in Algebra and Analysis'.

Place: Department of Mathematics, Guru Nanak Khalsa College, Karnal (Haryana)

Date: 19 March, 2016

(iv) **Theme:** 'Characterization of holomorphic sectional curvature of GCR-lightlike submanifolds of Indefinite nearly Kaehler Manifolds' at National Conference on 'Recent advancement in Science, Commerce and Technology, 2016'.

Place: Mata Sahib Kaur Girls college, Talwandi Sabo, Bathinda (Punjab)

Dates: 5-6 April, 2016

(v) **Theme:** National seminar on 'Contemporary issues in Education' (Participated).

Place: Golden Jubilee Hall, Punjab University, Chandigarh

Date: 10 July, 2016

- (vi) **Theme:** 'Mathematical Modeling for controlling Environmental Pollution' at '2nd National Symposium on Emerging Trends in Biological Sciences'.

Place: M M Modi College, Patiala

Date: 12 Nov., 2016

Dr. Veerpal Kaur (Punjabi):

- (i) **Theme:** Attended 4th Punjabi Diaspora Conference

Place: Punjabi University, Patiala

Dates: 15-17 March to 30th April, 2016

- (ii) **Theme:** Attended All India Punjabi Conference

Place: Punjabi University, Patiala

Dates: 30 April – 1 May, 2016

Dr. Bhanvi Wadhawan (Zoology):

- (i) **Theme:** 'In Vitro effect of Carbofuran on the larval development of *Chrysomya megacephala* (Diptera: Calliphoridae): A forensically important Blow fly' at 8th National Conference on Recent Advances in Chemical, Biological and Environmental Sciences (RACES-2016)'.
Place: Multani Mal Modi College, Patiala
Date: 19-20 Feb., 2016

- (ii) **Theme:** 2nd National Symposium on Emerging Trends in Biological Sciences (Participated).

Place: Multani Mal Modi College, Patiala

Dates: 12 Nov., 2016

- (iii) **Theme:** 'Larval and Pupal tissues of Blowfly *Chrysomya megacephala* (Fab.) as alternate matrices for determination of Endosulfan levels in rat carcasses' at 2nd National Symposium on Emerging Trends in Biological Sciences (NSETB, 2016).

Place: Multani Mal Modi College, Patiala

Date: 12 Nov., 2016

Dr. Santosh Bala (Botany):

- (i) **Theme:** 'A case of Synaptic Mutant in *Erigeron karvinskianus* DC. (American Fleabane)' at 8th National conference on 'Recent Advances in Chemical, Biological and Environmental Sciences (RACES-2016)'.

Place: Multani Mal Modi College, Patiala

Dates: 19-20 Feb., 2016

- (ii) **Theme:** Workshop on 'Modern Techniques in Sciences' (Participated).

Place: Dept. of Biological Science, M M Modi College, Patiala

Dates: 11-20 July, 2016

- (iii) **Theme:** 'Chromosomal database of Gamopetalae of district Kangra (H.P.)' at National conference on Basic and Applied Researches in Plants and Microbes.

Place: Department of Botany, Punjabi University, Patiala-147002, India

Dates: 3-5 Nov., 2016.

- (iv) **Theme:** 'New Chromosome reports in Gamopetalae of District Kangra (H.P.)' at 2nd National Symposium on Emerging Trends in Biological Sciences.

Place: Dept. of Biological Sciences, Multani Mal Modi College, Patiala-147001, India

Dates: 12 Nov., 2016

Prof. Pooja Rani (Physics):

- (i) **Theme:** Presented Paper titled '**Altering the Optical properties of graphene by (B, N) doping**' at national conference 'Recent Advances in Chemical, Biological and Environmental Sciences (RACES)-2016'

Place: M M Modi College, Patiala

Dates: 19-20 Feb., 2016

- (ii) **Theme:** Measurement of L₃M resonant Raman Scattering cross sections at National Conference on Recent Trends in Physical, Chemical and Environmental Sciences (RTPCES 2016).

Place: Advance College of Science & Commerce, Ujjain (M.P)

Date: 21 March, 2016

Dr. Harjinder Singh (Chemistry):

- (i) **Theme:** 'DBU- A environmental friendly catalyst for organic synthesis' at National conference on Environmental suitability and social dynamics.

Place: RGNUL, Patiala, Punjab

Date: 5 March, 2016

- (ii) **Theme:** 'Environmental friendly methods for synthesis of 1,2,3-triazoles' in National Conference on Recent Trends in Physical, Chemical and Environmental Sciences.

Place: Advance college of Science and commerce, Ujjain, MP.

Date: 21 March 2016.

- (iii) **Theme:** 'Synthesis, photophysical study of new 7-chloroquinoline based triazolyl chalcones and their derivatives' at National Conference on Recent Advances in Chemical Sciences.

Place: S.D. (PG) college, Panipat.

Dates: 30-31 March 2016.

Dr. Kavita (Physics):

- (i) **Theme:** Synthesis and Characterization of II-VI Semiconductor Nanostructures at National conference on Environmental suitability and social dynamics.

Place: M M Modi College Patiala, Punjab, India

Date: Feb 19-20, 2016

- (ii) **Theme:** Measurements of L₃M resonant Raman scattering cross sections at National Conference on Recent Trends in Physical, Chemical, Biological & Environmental Science.

Place: Advance College of Science and Commerce, Ujjain, MP, India

Date: 21 March, 2016

Regional: 05 (Five)

Prof. Poonam Malhotra, Prof. Baljinder Kaur, Prof. Shailendra Kaur, Prof. Vaneet Kaur, Prof. Cheena Chawla (English)

Theme: 10 day workshop on 'English Language and Pronunciation' (Participated).

Place: M M Modi College, Patiala

Dates: 1-10 Aug., 2016

Prof. Jagdeep Kaur (Geography)

Theme: 'Life Skills for Stress Management among Youth'
at CTE Annual State Conference – 2016

Place: Mata Sahib Kaur Khalsa Girls College of Education, Patiala

Date: 16 March, 2016

Prof. Poonam Sharma (Computer Science)

Theme: 'Life Skills, the natural life saving tools, playing role in Artificial Intelligence tool'
at CTE Annual State Conference, 2016.

Place: Mata Sahib Kaur Khalsa Girls College of Education, Patiala

Date: 16 March, 2016

Prof. Vaneet Kaur (English):

Theme: 'WORKSHOP ON CREATIVE/ACADEMIC WRITING' (Resource Person)

Place: Department of English, Punjabi University, Patiala

Dates: 11-12 Feb., 2016

Dr. Bhanvi Wadhawan (Zoology):

Theme: 10-day Workshop on 'Modern Techniques in Sciences' (Resource Person)

Place: Faculty of Biological Sciences, M M Modi College, Patiala

Dates: 11-20 July, 2016

5. Refresher Courses/FDP organized by the College: NIL

6. Refresher Courses/Orientation Courses attended by the faculty: 3 (Three)

Prof. Sumeet Kumar (Computer Science):

Attended Refresher course in ICT from 19-11-2016 to 10-12-2016 at B.P.S Mahila Vishwavidyalaya, Khanpur Kalan, Sonapat.

Prof. Rohit Sachdeva (Computer Science):

Attended Refresher course in ICT from 19-11-2016 to 10-12-2016 at B.P.S Mahila Vishwavidyalaya, Khanpur Kalan, Sonapat.

Dr. Varun Jain (Mathematics):

Attended 28th Orientation programme organised by UGC-HRD centre, Punjabi University, Patiala from 18th April to 14th May, 2016.

7. Research and Publication Work:

(a) Institutional: 3 (Three)

- (i) College Magazine 'The Luminary' – 2014-15 edited by Prof. Baljinder Kaur was released by Dr. Sunita Dhir, Former Head and Professor, Dept of Theatre and Television, Punjabi University, Patiala on 18 Feb. 2016.
- (ii) College Magazine 'The Luminary' – 2015-16 edited by Prof. Baljinder Kaur was released by Dr. Dalip Kaur Tiwana (Punjabi Novelist), Recipient of Saraswati Award and Bhartiya Sahitya Academy Award on 23 Dec., 2016.
- (iii) An Abstract Book was released on the occasion of 'National Conference on Recent Advances in Chemical, Biological and Environmental Sciences' on 19 Feb., 2016.

(b) Faculty: 50 (Fifty) Publications

Dr. Khushvinder Kumar (Principal) got following two papers published (Co-authored):

- (i) 'A Comparative Study of Text Books of Punjabi Language of 8th Class of PSEB and CBSE', Parview, Jan. 2016, Vol. 7, No. 1, ISSN: 2320-558X.
- (ii) 'Assessment of Punjabi Language Skills Of PSEB and CBSE School Students', International Multidisciplinary E-journal June, 2016, Vol. 5 No. 6, ISSN: 2277-4262.

Dr. Rajeev Sharma (Chemistry) got the following papers published:

- (i) 'An Islamic Perspective of Human Rights' - Journal Research ICON, Oct. 15 – Jan. 16, Vol. I No. 3, Page 225-233, ISSN: 2395-6585. (co-authored).
- (ii) 'Human Rights and Sikhism' - Journal Research ICON, Oct. 15 – Jan. 16, Vol. I No. 3, Page 71-76, ISSN: 2395-6585. (co-authored).
- (iii) 'Role of Women in Conservation of Environment' – Journal Research ICON, Oct. 15 – Jan. 16, Vol. I No. 3, Page 216-218, ISSN: 2395-6585. (co-authored).
- (iv) 'Environmental Pollution and Health' – Journal Research ICON, Oct. 15 – Jan. 16, Vol. I No. 3, Page 234-238, 2395-6585. (co-authored).
- (v) Study of the Waste Water Quality of Malwa Region, Bathinda, Punjab (India) International Journal of Scientific Research in Chemical Sciences, Jan. 16, Vol. 3 No. 2, Page 1-8, 2455-3174. (co-authored).
- (vi) 'Biodiversity Conservation Concept for Sustainable Development in Manu Samhita' Academia: An International Multidisciplinary Research Journal, March, 2016, Vol. 6 No. 3, Page 374-381, ISSN: 2249-7137.
- (vii) Nickel Toxicity to Photosynthetic attributes in the leaves of lentil (*Lens culinaris*) Medic. Masar, June, 2016, Vol. 6 No. 2, Page 300-302, ISSN: 2394-5869. (co-authored).
- (viii) Co-authored Chapter 'Life Skills for Stress Management among today's youth' in the book 'Life Skill Education: Equipping for Life' published in March, 2016 by Zohra Publications, Patiala, ISBN: 978-93-827376-95-8. (co-authored).
- (ix) Co-authored Chapter 'Arsenic – Sources, Toxicity and Prevention' in the book 'Chemicals and Environment' published in April, 2016 by Twenty First Century Publications, Patiala, ISBN: 978-93-85447-58-7. (co-authored).

Prof. Jagdeep Kaur (Geography)

Co-authored Chapter 'Life Skills for Stress Management among today's youth' in the book 'Life Skill Education: Equipping for Life' published in March, 2016 by Zohra Publications, Patiala, ISBN: 978-93-827376-95-8.

Dr. Neeraj Goyal (Business Management) got the following books published in 2016:

- (i) Computer Based e-Accounting Using Tally.ERP9, R. D. Publications, Jalandhar, 2016, ISBN: 978-93-84594-05-3
- (ii) Business Statistics, R. D. Publications, Jalandhar, 2016, ISBN: 978-93-84594-45-9
- (iii) Cost Accounting-II, R.D. Publications, Jalandhar, 2016, ISBN: 978-93-84594-14-5.
- (iv) Business Economics-II, 2016, Kalyani Publishers, Jalandhar, ISBN: 978-93-272-2748-2.

Dr. Ajit Kumar (Computer Science) got published *Thresholding Techniques for Ancient Document Images* in International Journal of Advanced Research in Computer Engineering & Technology, Sept. 2016, Vol. 5 Issue 9, Page 2345-2350, ISSN: 2278-1323 (Online) (co-authored).

Prof. Ganesh Kumar Sethi (Computer Science) got published 'Aks: A Database for Detection and Extraction of Devanagari Text in Camera Based Images' in 'International Journal of Computer Trends and Technology', September 2016, Vol. 39 Number 1, Page 32-39, ISSN: 2231-2803.

Prof. Harmohan Sharma (Computer Science) got published 'State of the art in Nastaleeq Script Recognition' in 'International Journal of Computer Trends and Technology', Sept. 2016, Vol. 39 Number 1, Page 40-46, ISSN: 2231-2803.

Prof. Sukhdev Singh (Computer Science) got following papers published (co-authored):

- (i) 'Features extraction and classification for detection of kidney stone region in ultrasound images' in 'International Journal of Multidisciplinary Research and Development', May 2016, Vol. 3(5), pp. 81-83, Online ISSN: 2349-4182 Print ISSN: 2349-5979.
- (ii) 'A Comparative Study of Binarisation of Ultrasound Images', in 'International Journal of Computer Applications', 2016, pp. 17-19, ISSN: 0975-8887.
- (iii) The book 'Fundamentals of DATABASE MANAGEMENT SYSTEM (DBMS)', in 2016 published by Bookman Publications, 41-B, Sawan Park, Ashok Vihar, Phase III, Delhi – 110052 (India), ISBN: 978-81-931674-9-6.

Dr. Sanjay Kumar (Chemistry) got his paper published on 'Anionic Metal Organic Framework for Selective Dye Removal and CO₂ Fixation' in *European Journal of Inorganic Chemistry*, Year 2016, Page 4373-4377, ISSN: 1099-0682.

Dr. Kuldeep Kumar (Biotechnology) got following papers published:

- (i) 'Isolation of catalase producing bacteria, production of catalase and its application to degrade hydrogen peroxide from effluent.' in *European Journal of Biotechnology and Bioscience*, 2016, Vol. 4 No. 6, Page 34-37, ISSN: 2321-9122.
- (ii) Development of electrochemical biosensor for detection of asparagines in leukemic samples. in *International Journal of Pharmaceutical Sciences and Research*, 2016, Vol. 7 No. 2, Page 783-788, ISSN: 0975-8232.

He got the following book chapters published:

- (i) 'Advanced Wastewater Treatment Technologies' in book 'Modern Approaches to Environmental Biotechnology', 2016 published by Nova Science Publishers, USA, ISBN: 978-1-63484-360-7.
- (ii) 'Role of Biosensors in Environmental Monitoring' in book 'Modern Approaches to Environmental Biotechnology', 2016 published by Nova Science Publishers, USA, ISBN: 978-1-63484-360-7.

Dr. Deepika Singla (Commerce)

(a) Published following papers (co-authored):

- (i) 'Measurement of ERP Dependability from Employee Perspective' in 'PIMT Journal of Research', Jan-June 2016, Vol. 13 No. 1, Page 96, ISSN: 0973-4066
- (ii) 'Analysis of Effective Element & Gaps of Training & Development in Service Sector', in 'PCTE Journals of Business', Jan-June 2016, Vol. 8 No. 2, Page 2, ISSN: 02278-7925.
- (iii) 'A Study of Influence Strategies used by Children in Family Purchase Decisions', in 'PCTE Journals of Business', Jan-June 2016, Vol. 8 No. 2, Page 2, ISSN: 02278-7925.

(b) Published following books (co-authored):

- (i) 'Financial Accounting' published by R. D. Publications in 2016, ISBN: 93-84954-22-9
- (ii) 'E-Accounting' published by R. D. Publications in 2016, ISBN: 93-84954-05-9.

Dr. Varun Jain (Mathematics) got the following books published:

- (i) Basic Mathematics, Text book for BCA, According to Punjabi University, Patiala Syllabus, 2016, published by Sharma Publication, ISBN: 978-93-81-261-95-8

- (ii) Calculus, Text book for B.Sc. semester 1st, Acc .to Punjabi University, Patiala Syllabus, ISBN: 978-93-82704-52-2.

Prof. Chetna Gupta (Mathematics) got the following books published:

- (i) Theory of Linear Operators, 2016, Sharma Publications, Jalandhar, ISBN: 978-93-5181-125-1
(ii) Partial Differential Equations, 2016, Sharma Publications, Jalandhar. ISBN: 978-93-81-261-96-5

Dr. Veerpal Kaur Kaur (Punjabi):

Paper 'Guru Da Manavwadi Darshan' was accepted to be published in Research Journal, Punjabi University, Patiala in 2016.

Prof. (Mrs.) Vaneet Kaur (English) got the following chapter in the book published:

'Chapter 38 - Question of Home, Belonging, and Return in the Punjabi Diaspora: A Critical Reading of *Jee Aayan Nu* and *Asaa Nu Maan Watna Da*' in the book 'Indian/Punjabi Diasporic Cinema Representations of Transnational Experience' edited by Manjit Inder Singh, Tejinder Kaur, year 2016, Publication Bureau, Punjabi University Patiala, ISBN: 978-81-302-0363-8.

Dr. Bhanvi Wadhawan (Zoology) got following paper published:

Detection of Ketamine hydrochloride and its effect on the development of immature stages of a forensically important blow fly *Chrysomya megacephala* (Fabricius) (Diptera: Calliphoridae) in Journal of Entomology and Zoology Studies, Vol. 4, No. 2, E-ISSN: 2320-7078, P-ISSN: 2349-6800.

Dr. Santosh Bala (Botany) got following papers in journals published:

- (i) New Chromosome reports in Lamiaceae of Kashmir (Northwest Himalaya), in International Journal 'Protoplasma' India, 2016, DOI: 10.1007/s0079-016-1006-7), ISSN: 1615-6102.
(ii) Male meiosis in structural heterozygotes, in International Journal 'Biolife', 2016, Vol 4 No. 3, Page 587-594, ISSN: 2320-4257.

Dr. Rupinder Sharma (Hindi) got following paper in journals published:

'Hindi Upanayas: Anchalik Sanrachna aur Jiwan Drishti' in Journal Anusandhan (Traimasik Anusandhan Patrika), Oct. – Dec. 2016, Page 7-14, ISSN: 0975-805X.

Prof. Pooja Rani (Physics) got following paper in journals published:

- (i) Thermodynamic properties of pure and doped (B, N) graphene, in the Journal 'RSC Advances', 2016, Vol. 6, Page No. 12158, ISSN: 2046-2069.
(ii) She got her book published 'Structural, Electronic and Optical Properties of Hetero-Graphenes' published by LAP LAMBERT Academic Publishing, 2016, ISBN: 978-3-659-82885-0.

Dr. Harjinder Singh (Chemistry) got the following papers published in journals (co-authored):

- (i) 'DBU catalyzed metal free synthesis of fused 1,2,3-triazoles through [3+2] cycloaddition of aryl azides with activated cyclic C-H acids' in Journal 'Tetrahedron Letters', 2016, 57, 3075–3080, 2016, Vol. 57, Page 3075–3080, ISSN: 0040-4039.
(ii) 'An efficient green approach for the synthesis of novel triazolyl spirocyclic oxindole derivatives via one-pot five component protocol using DBU as catalyst in PEG-400' in Journal 'Tetrahedron Letters', 2016, 57, 3081–3085, year 2016, Vol. 57, Page 3081–3085, ISSN: 0040-4039.
(iii) 'Metal-free synthesis of 1,2,3-triazoles by azide–aldehyde cycloaddition under ultrasonic irradiation in TSIL [DBU-Bu]OH and in hydrated IL Bu₄NOH under heating' in Journal 'Montash Chem.', 2016, 147, 1215-19, year 2016, Vol. 147, Page 1215-19, ISSN: 1434-4475.
(iv) 'One-pot four component synthesis of functionalized 1H-1,2,3-triazole tethered pyrazolo[3,4-b]pyridin-6(7H)-ones as novel apoptosis inducers and anti-microbial agents' in Journal 'Med Chem Res', 2016, 25, 1813, year 2016, Vol. 25, Page 1813, ISSN: 1554-8120.

Dr. Kavita (Physics) got the following papers published in journals:

- (i) 'Nanoindentation and VSM of Silver Nanowires Synthesized by Microwave-Polyol Process' in Journal of 'Nanomaterials & Molecular Nanotechnology', year 2016, Vol. 5, 1-5, ISSN: 2324-8777.
(ii) 'Characterization of Water Soluble Carbon Nanotubes' in Journal of 'Nanoscience and Technology', year 2016, Vol. 2, Page 64-65, ISSN: 2455-0191.

(c) Research Supervision:

Degrees Awarded: 4 (Four)

- (i) Under the guidance of Dr. Rajeev Sharma one student Mr. Harvinder Singh has been awarded PhD Degree in faculty of Physical Sciences, MMU, Maullana (Ambala).

- (ii) Under the guidance of Dr. Deepika Singla 3 (three) students submitted their Ph.D. thesis with Punjabi University, Patiala:
- Ms. Reena on 16th Aug., 2016
 - Ms. Neeru on 18th Aug., 2016
 - Ms. Meenu Gajrani on 24th Aug. 2016

Students Registered: 5 (Five)

- (i) Following students got registered for PhD research work in faculty of Physical Sciences, under the guidance of Dr. Rajeev Sharma:
- Ms. Sudha registered on 26th Oct., 2016 at Desh Bhagat University, Mandi Gobindgarh.
 - Ms. Achla registered on 26th Oct., 2016 at Desh Bhagat University, Mandi Gobindgarh.
- (ii) Following students got registered for PhD research work in faculty of Computer Science under the guidance of Dr. Ajit Kumar:
- Mr. Nitin Bansal registered on 28th Nov., 2016 at Punjabi University, Patiala
 - Mr. Manpreet Singh registered on 28th Nov., 2016 from Punjabi University, Patiala
- (iii) Following student got registered for PhD research work in faculty of Commerce, under the guidance of Dr. Deepika Sharma:
- Ms. Puneet Sharma got registered for Ph.D. in Department of Commerce, Punjabi University, Patiala on 10 Feb., 2016.

8. Academic achievements:

- (i) **The following members of the faculty performed their duties as members of the Board of Studies/Faculty of the Punjabi University, Patiala:**
- Dr. Khushvinder Kumar, Principal, Member, Academic Council, Punjabi University, Patiala and Member Board of Studies (Education), Chitkara University, Rajpura.
 - Prof Poonam Malhotra (Undergraduate Board of Studies in English)
 - Prof Jasvir Kaur (Undergraduate Board of Studies in Geography)
 - Prof Neena Sareen (Undergraduate Board of Studies in Commerce and Faculty of Business Studies)
 - Dr. Ashwani Sharma (Undergraduate Board of Studies in Life Sciences)
 - Dr. Rajeev Sharma [Physical Sciences, Punjabi University, Patiala and Board of Studies in Chemistry, Chitkara University, Rajpura (Patiala)]
 - Prof. (Mrs.) Jagdeep Kaur (Undergraduate and Postgraduate Board of Studies in Geography)
 - Dr. Manjit Kaur (Board of Studies in Punjabi)
 - Dr. Neeraj Goyal (Board of Studies in Business Studies)
 - Dr. Ajit Kumar (Member, Faculty of Physical Sciences)

- (b) Our students bagged the following merit positions in the University Examinations (2015-16):

Sr. No.	Name	Class	Merit Position
1.	Rajni	M.Sc.-II (Pharm. Chem.)	1 st
2.	Neha Rani	B.Sc.-III (FD)	1 st
3.	Kirti	B.Sc.-II (FD)	1 st
4.	Reetika Sachdeva	B.Com.-I	1 st
5.	Mitu Bhatia	M.Sc.-II (Pharm. Chem.)	1 st
6.	Sandeep Kaur	B.Sc.-III (FD)	2 nd
7.	Vishal	B.Sc.-II (CS)	2 nd

8.	Kush Garg	B.Sc.-II (MCM)	2 nd
9.	Divya	B.Com.-I	2 nd
10.	Amandeep Kaur	M.Sc.-II (Bio-Tech.)	3 rd
11.	Gouri Sharma	M.Sc.-II (Pharm. Chem.)	3 rd
12.	Rithampreet Kaur	BSc-III (Biotech)	3 rd
13.	Mehak Taneja	BSc-III (FD)	3 rd
14.	Amandeep Kaur	BSc-III (MCM)	3 rd
15.	Gorika Thakur	BSc-II (MCM)	3 rd
16.	Pashmeen Kaur	BSc-III (FD)	4 th
17.	Nancy Verma	BSc-II (FD)	4 th
18.	Ankita Garg	BCom-I	4 th
19.	Pushpa	BCom-I (Honours)	4 th
20.	Shivali	MCom-II	5 th
21.	Amritpal Kaur	BSc-III (FD)	5 th
22.	Sachin Singla	BSc-II (MCM)	5 th
23.	Kashish Garg	BCom-I	5 th
24.	Gurvinder Kaur	MCom-II	6 th
25.	Chandani Jain	BCom-II	6 th
26.	Kanchi Arora	BCom-I	7 th
27.	Pahul PK Sandhu	BSc-I (Medical)	7 th
28.	Simran Singla	BCom-I	8 th
29.	Arshpreet Kaur	BSc-I (Medical)	8 th
30.	Ajay Kansal	BCom-I	9 th
31.	Simranjeet Kaur	BCom-I (Honours)	9 th
32.	Shaffy	BCom-III (Professional)	10 th
33.	Jaspreet Kaur	BSc-I (Medical)	10 th

9. SPORTS

Our College bagged Overall Champion Trophy, Punjabi University Inter-College Tournaments for the session 2014-15 on 25th Nov. 2016.

(a) International: 6 (Six)

- (i) **Gauravdeep Singh established a record in Guinness World Records for 'The most Jump Squats in one minute (male) is 60' on 8th March, 2016.**
- (ii) Madhu Vedwan brought laurels to the country by winning Gold Medal (Mix) and Gold Medal (Team) in Archery (Recurve) World Ranking Tournament held at Taiwan, China on September 8-14, 2016. Represented the country at the South Asian Games held at Shilong (Guwahati) on February 11-16, 2016.
- (iii) Shivjot Gill, an upcoming shooting star of India, won Bronze Medal at World Universities Shooting Championship held in Poland on September 11-19, 2016.

- (iv) Jyotika Dutta participated in Under-23 Asian Fencing Championship held in Tokyo on October 25-30, 2016. Also participated in Junior Asian Fencing Championship held on Bahrain (Saudi Arabia) on Feb. 20 to 29, 2016.
- (v) Anmolpreet Singh, young Cricketer represented Indian team at the Under-19 Cricket World Cup held in Bangladesh on January 27 – February 14, 2016 and secured 2nd place.
- (vi) Sonalika Kaushal, participated in Junior Asian Fencing Championship held in Bahrain (Saudi Arabia) on February 20-29, 2016.

(b) National / All India Inter University: 46 (Forty Six)

Sr. No.	Name of the Student	Position	Game
1	Madhu Vedwan	4 Gold, 1 Silver, 1 Bronze	Archery (Recurve)
2	Shivani	5 Gold, 2 Silver	Canoing
3	Daljeet Singh	2 Gold	Tug of War
4	Jaspal Singh	2 Gold	Tug of War
5	Parminder Kaur	2 Gold	Tug of War
6	Kameldip Josan	2 Gold	Tug of War
7	Baljinder Singh	2 Gold	Wushu
8	Prabhdeep Singh Dhillon	1 Gold, 1 Silver, 1 Bronze	Cycling
9	Gurpreet Singh	1 Gold, 2 Silver	Cycling
10	Rajbeer Singh	1 Gold, 1 Silver, 1 Bronze	Cycling
11	Harjot Singh	1 Gold, 1 Silver, 1 Bronze	Archery
12	L. Ricky Singh	1 Gold	Archery
13	Harpreet Kaur	1 Gold	Archery
14	Jyotika Dutta	1 Gold, 2 Silver	Fencing
15	Shama Parveen	1 Gold	Gymnastic (Rhythmic)
16	Talvinder Singh	1 Gold	Gatka
17	Gurpreet Singh	1 Gold	Gakta
18	Lovejot Singh	1 Gold	Archery
19	Gurwinder Singh	1 Gold	Tug of War
20	Prabhjot Kaur	1 Gold, 2 Silver	Canoing
21	Pawan Kumar	1 Gold, 2 Silver, 1 Bronze	Canoing
22	Harjeet Singh	1 Gold	Tug of War
23	Sachin Singh Rawat	1 Gold, 1 Bronze	Judo
24	Preety	1 Gold	Tug of War (Mix)
25	Neetu Tokas	1 Gold	Wushu
26	Sheffally Sharma	1 Gold	Soft Tennies
27	Kushal Kumar	1 Gold, 1 Bronze	Wushu
28	Akashdeep Singh	1 Gold	Wushu
29	Kirandeep Kaur	1 Gold	Kayaking
30	Sunil Kumar	1 Gold	Bodybuilding
31	Bhupinder Singh	1 Gold, 1 Bronze	Weightlifting
32	Mohit Kumar	1 Silver	Cycling
33	Priyanka	1 Silver	Cycling
34	Sonalika Kaushal	1 Silver, 2 Bronze	Fencing
35	Amit Sharma	2 Silver	Fencing
36	Manjot Singh	1 Silver	Taekwondo

37	Geeta Rani	1 Silver, 1 Bronze	Wushu
38	Gurleen Kaur	1 Silver	Wushu
39	Gurwinder Singh	1 Silver, 1 Bronze	Wushu
40	Gurjeet Kaur	1 Silver	Wushu
41	Harpreet Kaur	1 Bronze	Fencing
42	Husanpal Singh	1 Bronze	Greko
43	Rupinder Preet Kaur Cheema	1 Bronze	Taekwondo
44	Paramjeet	1 Bronze	Taekwondo
45	Hemant Kumar	1 Bronze	Yoga
46	Sarita Bhuyea	1 Bronze	Archery

(c) The College won Punjabi University Inter College Championships: 18 (Eighteen)

1. Archery Recurve (Boys) (2015-16)
2. Kayaking (Boys) (2015-16)
3. Gatka (Ferry Stick) (Boys) (2015-16)
4. Archery (Indian Round) (Girls) (2015-16)
5. Taekwondo (Girls) (2015-16)
6. Archery (Recurve) (Mix) (2015-16)
7. Cycling (Road) (Boys) (2016-17)
8. Wushu (Sanshou) (Boys) (2016-17)
9. Canoeing (Boys) (2016-17)
10. Judo (Boys) (2016-17)
11. Boxing (Boys) (2016-17)
12. Pistol Shooting (Boys) (2016-17)
13. Wushu (Talu) (Girls) (2016-17)
14. Wushu (Sanshou) (Girls) (2016-17)
15. Canoeing (Girls) (2016-17)
16. Boxing (Girls) (2016-17)
17. Pistol Shooting (Girls) (2016-17)
18. Rifle Shooting (Girls) (2016-17)

(d) The college got Runners-up positions at the Punjabi University Inter College Championships: 10 (Ten)

1. Canoeing (Boys) (2015-16)
2. Taekwondo (Boys) (2015-16)
3. Gatka (Ferry Stick) (Girls) (2015-16)
4. Archery (Recurve) (Girls) (2015-16)
5. Baseball (Girls) (2015-16)
6. Wushu (Talu) (Boys) (2016-17)
7. Tennis (Boys) (2016-17)
8. Athletics (Boys) (2016-17)
9. Judo (Girls) (2016-17)
10. Squash Racket (Girls) (2016-17)

(e) 2nd Runners up positions at the Punjabi University Inter College Championships: 9 (Nine)

1. Kayaking (Girls) (2015-16)
2. Softball (Girls) (2015-16)
3. Archery (Compound) (Mix) (2015-16)
4. Archery (Compound) (Girls) (2015-16)
5. Cricket (Men) (2016-17)
6. Baseball (Boys) (2016-17)
7. Rowing (Girls) (2016-17)
8. Swimming (Girls) (2016-17)
9. Tug of War (Mix) (2016-17)

(f) The College organized:

Punjabi University Inter College Boxing (Boys) Championship on 13-15 Oct., 2016.

10. Co-curricular Activities:

(a) National : 01 (One)

Quiz team got 2nd position in National Science Day celebration at Thaper University, Patiala on 18 Feb. 2016.

(b) State Level: 03 (Three)

Punjab State Inter University Youth Festival held at BBSB Engineering College, Fatehgarh Sahib

(i) Ishnoor Singh Ghuman got 3rd position in Debate.

(ii) 'Pargaas – The Enlightenment' Youth Fest held at Shri Guru Granth Sahib World University, Fatehgarh Sahib on November 3-4, 2016.

(a) Kushal and Tejpal got 1st position in T-Shirt Painting.

(b) Manpreet Singh and Karan Guru got 1st position in Clay Modelling.

(c) University: 02 (Two)

Positions at Inter Zonal Youth Festival held at Punjabi University, Patiala (24-26 Oct., 2016).

(i) Manpreet Singh was 1st in Clay Modeling

(ii) Manish Singh was 4th in Western Solo Song.

(d) Positions at Zonal Youth Festival held at Vidya Sagar College of Management and Technology, Patiala (7–9 Oct., 2016) : 07 (Seven)

Individual Events: 04 (Four)

- (i) Manpreet Singh got 1st position in Clay Modelling.
- (ii) Sanmay got 2nd position in Collage Making.
- (iii) Manish Singh got 2nd position in Western Solo Song.
- (iv) Manish got 3rd position in Photography.

Team Events: 03 (Three)

- (i) Installation Team of the college got 1st position.
- (ii) Giddha Team of the college got 2nd position.
- (iii) Western Group Song Team of the college got 2nd position.

(e) Inter College Competitions: 06 (Six)

(a) Brain Waves Competition held at Rayat and Bahra Institute, Patiala on 19 Feb., 2016.

- (i) Kirti verma got 1st position in Photography .
- (ii) Prikshita got 1st position in Web Designing
- (iii) Ishoor Singh Ghuman got 2nd position in Extempore
- (iv) Ishoor Singh Ghuman got 2nd position in Declamation.
- (v) Ad-Mad Show team got 1st position.

(b) Nukad Natak team got 1st position in Satunalia Fest at Thaper University, Patiala on 18 Feb. 2016.

(g) Talent Hunt Competition – 2016 was inaugurated by S. Harjinder Singh, IRS, Additional Commissioner of Income tax, Patiala on 23 Sept. 2016. Dr. Baljit Singh Sidhu, Controller of Examinations, Punjabi University, Patiala presided over the valedictory session of the event. About 135 students took part in Debate, Elocution, Poetry Recitation, Quiz, Music, Fine Arts, Dances and Theatre item contests.

11. NSS:

Awards / Recognitions: 4 (Four)

- (i) College NSS Programme Officers Dr. Rajeev Sharma and Prof. Harmohan Sharma received Best NSS Programme Officer Awards for NSS activities for the Year 2015-16 by Dept of NSS, Punjabi University, Patiala on 19 Jan., 2016
- (ii) Prof. Jagdeep Kaur received Award of Honour for organizing blood donation camp from Punjab State AIDS Control Society.
- (iii) College NSS Program Officer Prof. Jagdeep Kaur received Certificate of Appreciation from Deputy Commissioner, Patiala for contribution in Beti Bachao – Beti Padhao Campaign on 30th March, 2016.
- (iv) Dr. Rajeev Sharma was awarded by United Nations for Word Humanitarian Summit Rio + 23 Program WHS, 2016. He was also honoured as Evaluator in J&K State 24th National Children Science Congress held at Jammu on 3 & 4 Dec., 2016.

Activities: 17 (Seventeen)

- (i) Dr. Rajeev Sharma attended Youth Leadership training camp organized by Ministry of Youth Affairs and Sports, Govt. of India at Manali from 4 Oct. – 14 Oct. 2016.
- (ii) Prof. Harmohan Sharma attended 5th Youth Convention organized by Dept of NSS, Punjabi University, Patiala.
- (iii) 7-day NSS Camp was organized from 1-7 Jan., 2016.
- (iv) NSS volunteers visited Yadwindra Puran Bal Niketan (the orphanage) Patiala on 5 Jan., 2016 and donated articles worth Rs. 4100/- of daily use to the inmates.
- (v) Participated in National Road Safety Week on 10 Jan. 2016.
- (vi) National Youth Day was celebrated by organizing a lecture by Dr. Vinay Sofat on 11 Jan. 2016.

- (viii) 4 cadets attended Army Attachment Camp(ATC), held from June 20 – July 4, 2016 at Patiala.
- (ix) 35 cadets participated in International Yoga Day held at Khalsa College Patiala on June 21, 2016.
- (x) Van Maha Utsav day was celebrated on July 28, 2016 in collaboration with Dainik Jagran newspaper. The cadets, planted saplings in the college campus during the Utsav.
- (xi) 15 cadets attended Combined Annual Training Camp (CATC), held from 15-25 Sept., 2016 at NCC Academy, Ropar along with incharge Capt. Ved Prakash Sharma. Cadet Raveesh Kumar bagged 2nd position in poetical recitation event during the camp.
- (xii) A cleanliness program, under Swacch Bharat Abhiyan was organized in the college campus on 30 Sept., 2016.
- (xiii) 3 Cadets attended BLC camp held from November 1-10, 2016 at NCC Academy Ropar.

NCC Army Wing (Girls)

- (i) Twenty-four cadets were enrolled in first year. 11 cadets were enrolled in second year. 10 cadets for 'B' certificate and 4 cadets for 'C' certificate exam appeared at Khalsa College Patiala on 7 Feb. and 21 Feb., 2016.
- (ii) N.C.C. girl cadets took active part in 27th Traffic Protection Week organized on 17-24 Jan., 2016 in Patiala.
- (iii) 20 NCC Cadets participated in Mini Marathon on 24 Jan., 2016 in which around 300 cadets participated. Cadets Swati and Priyanshu bagged first and second positions respectively in the marathon.
- (iv) International Yoga Day was celebrated in the college on 21 June, 2016. Cadet Anisha headed the group of NCC cadets by guiding them about various asanas and enchanting of shaloks.
- (v) 13 cadets, attended Annual Training Camp (ATC) held at NCC Academy Ropar from 25 Sept. to 4 Oct., 2016. The cadets as a group won second position in Drill Competition and second prize in Song Competition held during the camp.
- (vi) 3 cadets attended Annual Training Camp (ATC) at GCG Patiala from 14-23 Nov., 2016. Cadet Swati was awarded as best cadet in the camp.

13. Other Activities

- (i) The College is acknowledged as an island of excellence with Centre with Potential for Excellence (**CPE-II**) status on 10 Aug., 2016.
- (ii) Dr. Khushvinder Kumar (Principal) visited three educational institutions (in the state of Jharkhand 3-7 April, 2016; in Haryana 22-24 Aug., 2016 and in Rajasthan 6-9 Nov., 2016) as a **Member of the NAAC Peer Team** for the Assessment and Accreditation of the institutions.
- (iii) **Dhian Di Lohri** was celebrated on the day of Lohri Festival on 13 Jan., 2016.
- (iv) **National Science Day** was celebrated by the Biological Society on 29 Feb. 2016.
- (v) **A Paper Reading Contest and Literary Quiz Competition** was held by the Literary Society of English Department of the College on 1-2 March, 2016.
- (vi) **Convocation – 2016** was held on March 8, 2016. Dr. Jaspal Singh, VC, Punjabi University, Patiala delivered the Convocation Address and conferred degrees on 706 Graduates and Post Graduates.
- (vii) **Annual Prize Distribution Function 2016** was organized on March 11, 2016. S. Parminder Singh Gill, Commissioner, Municipal Corporation, Patiala conferred Roll of Honour to 33 students, College Colour to 189 students and Merit Certificates to 384 students for their commendable achievements in academics, sports and co-curricular activities.
- (viii) **Golden Jubilee Year Prospectus** of the College was released on 23 May, 2016.
- (ix) **Career Guidance and Placement Cell** of the College conducts placement oriented programs regularly. 77 students were selected/short-listed by different companies during the year.

- (x) **Tree Plantation Drive 'Ek Ped – Ek Zindagi'** was organized in the college by Dainik Bhaskar on 28 July, 2016.
- (xi) Students of M.Sc. Food and Nutrition organized a **Navaratra Special Food Cafeteria** on 7 Oct., 2016 at the college premises.
- (xii) **Modi Jayanti** was celebrated on 21 Oct., 2016 on the occasion of 141th Birth Anniversary of Rai Bahadur Seth Multani Mal Modi. Week-long celebrations, including Essay Writing Contest, Science Fair and Havan Yajna were held.
- (xiii) Dr SP Singh Oberoi, founder of **Sarbat Da Bhalla** Charitable Trust handed over scholarships worth Rs. 5,59,945/- to 57 needy and meritorious students of the college at a function organised in the College on 2 Nov., 2016.
- (xiv) A street play **Tain Ki Dard Na Aaya** on the theme of Female Foeticide was enacted by the students of Theatre and TV Dept of Punjabi University, Patiala under the direction of Mr. Satpal Banga, Research Scholar, Punjabi University, Patiala on 6 Feb. 2016.
- (xv) **Educational Tours:**
 - (a) Students of Journalism (Add-on-Course) visited Radio Station, Patiala on 23.2.2016. During the visit they recorded a programme for broadcasting.
 - (b) Students of Biotech Dept. visited Pushpa Gujral Science City, Kapurthala on 23.3.2016.
 - (c) Students of Tour and Travel Management visited tourist office Shimla on 23.3.2016.
 - (d) Students of MSc (IT) visited Shimla on 26.03.2016.
 - (e) Students of BSc (Non-Medical) visited Manali (HP) from 13.4.2016 to 16.4.2016.
 - (f) Students of Mathematics Dept. visited Kasauli on 17.4.2016.
 - (g) Students of Fashion Designing and Management Dept. visited National Craft Museum, National Museum and Akshar Dham Mandir, New Delhi on 20.4.2016.
 - (h) Students of Punjabi Dept. visited Kasauli on 22.4.2016.
 - (i) One day trip to Kasauli and Pinjore was organized by PG Dept of Commerce on 30 April, 2016.
 - (j) Five-day tour to Sariska Tiger Reserve was arranged by the Dept. of Life Sciences for BSc-III (Medical) students from 15-19 Oct., 2016.
 - (k) Three-day tour was organized by Biotechnology Dept to visit Chaudhary Sarwan Kumar Himachal Pradesh Krishi Vishvavidyalaya, Palampur (Himachal Pradesh) from 16-18 Oct., 2016.

Dr Khushvinder Kumar
Principal