

**Chief Editor**  
**Bioscience Biotechnology**  
**Research Communications**

**Prof. Sharique Athar Ali**  
**PhD FRSB FLS (UK)**  
**UNESCO ROSCTA Awardee**



Prof. Sharique completed his Masters in Animal Physiology from Nagpur University India, having a throughout first class academic career. He got his PhD in Bioscience as a prestigious National Fellow of Department of Atomic Energy, BARC in 1983. Dr. Ali has research and teaching experience of more than 40 years, he is presently Professor and Head Postgraduate Department of Biotechnology, Saifia College, Barkatullah University, Bhopal India.

Dr Ali has published 165 full research papers in Web of Science and Scopus indexed journals and has successfully guided 45 PhD students in Bioscience and Biotechnology. He has visited several countries many times like USA, UK Germany, France, KSA, the Middle East, on academic assignments. Dr. Ali has also worked as a Cooperating Scientist at Virginia University, USA, has delivered lectures at Cambridge, Trinity and many foreign universities, he has worked as UNESCO Fellow at CCMB, Watsons Labs in the US and Asia and as a Professor of Physiology at Medical College, Saudi Arabia for many years.

Dr. Ali has successfully completed several major research projects in Biology & Medicine and has been conferred with many awards, patents, citations and honorary fellowships (FRSB and FLS London UK) including the UNESCO International ROSTCA Award for his research contributions. Dr Ali holds the distinction of being one of the youngest Principal Investigators of a major American PL-480 International Research Program sponsored by US DA OICD FERRO USA.

Websites: [www.bbrc.in](http://www.bbrc.in)      [www.drshariqali.com](http://www.drshariqali.com)

### **DETAILED CURRICULUM VITAE OF PROF. SHARIQUE ALI**

**Name:** Prof. Sharique A. Ali PhD FLS FRSB (UK) ROSTCA UNESCO Awardee  
**Present Status:** Professor of Physiology & Head Department of Biotechnology, Saifia College Barkatullah University, Bhopal India  
**PhD Bioscience** (DAE, BARC National Fellow) Barkatullah University, Bhopal, India  
**MS Animal Physiology** (By Research) Nagpur Univ. Nagpur, India (1978)  
**BS Biology** Nagpur University (1976), throughout first class academic career  
Had Schooling in Holy Cross Convent Amravati & at King Edward College, (VMV) Amravati, MS. Won several prizes in debates, elocution competitions at State and National Level. Excellent communication skills in English language. Written several general articles /letters in The Times of India New Delhi, Current Science, Science Reporter, Environmental Science Cambridge, Readers Digest and Nature Blog USA.

### **PROFESSIONAL EXPERIENCE:**

- **40 Years of Postgraduate Teaching & Research Experience**
- **RESEARCH TRAININGS IN SPECIAL AREAS:**
- Research Training UK in Pigment Cell Physiology (1986-87).
- Research Training and Lectures Animal Physiology at University of Arizona, Tucson, USA, Trinity College Washington, USA, (1986-87)
- Research Training at Virginia State University, Virginia, USA in Animal Physiology: Lab Work Seminars/Lectures in US Varsities, USA. (1988 - 89 )
- Post Doc. Fellow, OICD INTL PROGRAM VSU USA Environmental Conservation (1988-89)
- Cooperating Scientist USDA (PL-480) OICD FERRO Waste Water Recycling Project (1986-1990)
- Research Training in Environmental Technology at James Watsons Centre for Cellular & Molecular Biology. University of Lahore, Pakistan, Dec. Jan 1988-89 ( As a UNESCO Fellow)
- CNRS Paris France-UGC Govt. of India Scientist Exchange Program (1995-1996) as Foreign University Visiting Fellow.
- Refresher Course in Biological Techniques at MAPCOST, Bhopal Oct.1998
- Refresher Course in Applied Biology at Academic Staff College, Himachal Pradesh University, Shimla, May - Jun 1999.
- Refresher Course in Biosciences at Barkatullah University, Bhopal. March 2000.

### **RESEARCH EXPERIENCE IN BIOTECHNOLOGY & PHARMACEUTICAL SCIENCES**

- **40 years of research experience with Over 165 Full Papers and 60 Proceedings/Abstracts :Total 225 research publications in national and international peer reviewed journals.**
- Several visits to USA, UK, Germany, France and Pakistan & Saudi Arabia on teaching & research assignments.
- **Have guided 45 PhD students for successful award of their doctorates in Biosciences/Biotechnology Successfully guided more than 100 Masters students for their Dissertation in Bioscience/Biotechnology.**
- Have successfully completed 10 major research projects in Biology including Usda-PI480(FERRO) International Waste-Water Reclamation Research Program
- Editor Board Member and Manuscript Reviewer for Various International Journals.

### **FELLOWSHIPS, AWARDS AND CITATIONS:**

- Awarded Prestigious DAE, BARC Govt. of India National PhD Fellowship 79-82
- Awarded Senior Res. Fellowship by CSIR, New Delhi, 1983.
- Awarded the prestigious International UNESCO Young Scientist Environmental Biology ROSCTA Award 1987
- Awarded MP Govt. Young Scientist Award 1988 in Zoology.

- Conferred various citations from US Universities and Institutions and Scientific bodies.
- OICD US DA- FERRO USA Environmental Research Project Achievement Citation (1992).
- Conferred Fellowship Society for Science & Nature India 2009
- Conferred Fellowship Linnaeus Society London 2014
- Conferred Fellowship Royal Society Biology UK 2015

### **TEACHING EXPERIENCE:**

Total 40 Years of PG Teaching Experience in Applied areas of Biology (Animal Physiology/ Pharmacology) Professor and Head of the Department of Biotechnology, Saifia College Of Science And Education, Bhopal (1/1/1996 till date).

- Lecturer and Assistant Professor at Saifia College of Science & Education Bhopal, from 1/8/1983 till 6/03/2002 respectively.
- Professor of Physiology, College Of Health Sciences, Dammam, MOH, Saudi Arabia (7/3/2002 To 20/6/2004)\
- Professor and Head of Department of Biotechnology, Saifia College of Science And Education, Bhopal (21/06/2004 Till Date).

### **INTERNATIONAL ACHIEVEMENTS:**

1. Visited UK, France, Germany (1986-87) on Govt. of India DST UGC/Travel Grant, delivered lectures, attended conferences and worked in labs for research.
2. Visited USA (1986-87) for research and academic assignments on Govt. of India (DST/UGC/INSA) travel grants.
3. Visited several American Universities (1988-89) as an International Cooperating Scientist on American Govt. Travel Grant.
4. Worked as a UNESCO International Fellow to work in James Watsons lab Centre for Environmental Biology, Lahore, Pakistan (1988-89)
5. Worked as Principal Investigator / Research Director for US Dept. of Agriculture (PL-480) Waste Water Recycling Research International Project (1986-1991) in collaboration with Virginia State University, VA, USA.
6. Selected by UGC-CSIR (Govt. of India) & CNRS (France) under exchange program (1995-96)
7. Selected by Saudi Govt. Ministry of Higher Education, worked as Assistant Professor of Health Science /Physiology

**PATENT FILED:** Filed a patent entitled ‘Screening method for detecting an active melanolytic agent’. Patent No. :2895/MUM/2012\_NRDC Ref No.: IPR/11085-L/2011

### **NATIONAL ACHIEVEMENTS:**

1. Invited speaker at University of Allahabad, Natl. Conference (1986)
2. Invited as Guest speaker at Intl.Aquaculture Conference, at American Embassy, Maurya Sheraton New Delhi, (1990)
3. Invited speaker at Natl.Conference, Univ. of Kerala, Trivandrum (1992)
4. Delivered lecture at Natl. Symp. Jiwaji Univ. Gwalior, (1995)

5. Resource Person at Ecosystem Remote Sensing Workshop MP. Council of Science & Technology, Bhopal (1998)
6. Invited Guest Speaker on Environment Biology at Himachal Pradesh Univ. Shimla (1999)
7. Resource Person and Invited Speaker at Conservational Biology Refresher Course at BU Bhopal. (2000)
8. Consultant Professor to assist IX th Plan UGC Grants to Barkatullah University Colleges for 15 days nominated by Vice Chancellor BU Bhopal (2000)
9. Invited as PI to the DST (Govt. of India) /TIFR Mumbai) sponsored Interaction Meeting in Conservational Biology at Univ. of Mangalore, 11-13 th Feb 2005.
10. Invited as Member for Innovative Subject Meet UGC New Delhi, (Mar 2005)
11. Visiting Professor UGC (X<sup>th</sup> Plan) at Univ. of Amravati, MS (2005-2006)
12. Invited Guest Speaker at Natl. Symposium, at Cancer Hospital Gwalior ( Feb 2006)
13. Invited as an Eminent Speaker at National Pharma Vision Mar 2006, (A Natl. Conference in Pharmacy at OIST , Bhopal , March 1-3, 2006)
14. Invited Guest Speaker at Bhabha Pharmacy College & Research Centre, Bhopal. (9<sup>th</sup> March 2006)
15. Invited Speaker Holkar Science College Indore 2007-2008
16. Invited Speaker NRI College of Pharmacy Bhopal Oct 2009
17. Invited Speaker TIT College of Pharmacy Bhopal Nov. 2009
18. Invited Speaker SATI Vidisha , AICTE Nat Seminar Dec2009
19. Invited Speaker UGC Academic Staff College, SG Univ Amravati Dec 2009.
20. Invited Speaker International Conference BSSS Bhopal Feb 2010.
21. Invited Speaker Nat Conference ITM Universe Gwalior Mar 2010
22. Invited Speaker Academic Staff College SGB Univ. Refresher Course June 2011
23. Invited Speaker at the Nat Biotech Conference March 2012, Saifia College Bhopal.
24. Invited Speaker UGC Sponsored Nat Seminar Biodiversity and Environmental Conservation Saifia College Bhopal March 2012
25. Invited Speaker at UGC Sponsored National Conference of Biotechnology Govt College Guna, Jiwaji University Gwalior March 2012
26. Invited Guest Speaker / Resource Person/ Subject Expert at several Universities and Colleges of India during the last 10 years, delivered more than 50 invited lectures in National & International Conferences/ Workshops/Seminars / till date
27. Delivered more than 15 TV and Radio Talks on Science For Students during the last 10 years 2007-2020
28. Resource Person UGC New Delhi and Regional Institute of Education NCERT Ministry of HRD since last 5 years 2013-2018
29. Delivered Invited Lecture On International Webinar On World Environment Day 5<sup>th</sup> June 2020
30. Delivered Invited Lecture on International WED 5<sup>th</sup> June 2020 Assam University Assam
31. Delivered Invited Lecture on World Immunization Day on 10<sup>th</sup> Nov 2020 Autonomous Govt College for Women, Guntur Andhra Pradesh

**LIST OF PhD STUDENTS GUIDED BY DR. SHARIQUE A.ALI**

<b>OS. No.</b>	<b>Name of Scholar</b>	<b>Subject</b>	<b>Title of the Ph.D. Thesis</b>	<b>Date of Registration/Year of award</b>	<b>Name of Supervisor/Co-Supervisor with address</b>
1.	Dr. Tariq Zafar	Zoology	Neurobiology of avian heart	Awarded 1985	Dr. Sharique A. Ali, Saifia Science College, Bhopal
2.	Dr. Shamim A. Khan	Biosciences	Role of nutrients in growth and management of fish production in different sewage oxidation ponds	Awarded 1989	Dr. Sharique A. Ali, Saifia Science College, Bhopal
3.	Dr. Satyendra Khare	Limnology	Limnological studies of tropical waste water ponds with respect to plankton diversity.	Awarded 1989	Dr. Sharique A. Ali, Saifia Science College, Bhopal
4.	Dr. M. Qureshi	Biosciences	Evaluation of physio-chemical factors of oxidation ponds of Bhopal	Awarded 1991	Dr. Sharique A. Ali, Saifia Science College, Bhopal
5.	Dr. M.H. Raju	Zoology	Biochemical evaluation of waste water oxidation ponds for recycling of animal proteins through fish culture.	Awarded 1992	Dr. Sharique A. Ali, Saifia Science College, Bhopal
6.	Dr. Ishrat Aleem	Zoology	Bacteriological and heavy metal analysis of sewage oxidation ponds with reference to fish culture	Awarded 1992	Dr. Sharique A. Ali (Co-Guide), Saifia Science College, Bhopal
7.	Dr. Shoeb A. Khan	Biosciences	Evaluation of certain biochemical manifestations in pesticide exposed factory workers.	Awarded 1993	Dr. Sharique A. Ali, Saifia Science College, Bhopal
8.	Dr. Kiran Sharma	Bioscience	Effect of autonomic drugs on the isolated scale melnophores of <i>Cyrrhinus mrigala</i>	Awarded 1996	Dr. Sharique A. Ali, Saifia Science College, Bhopal
9.	Dr. S. Malik	Biosciences	Toxicological effects of lead nitrate on isolated	Awarded 2002	Dr. Sharique A. Ali, Saifia Science College, Bhopal

			scale melanophores of Teleost fishes.		
10.	Dr. Ravi Jain	Environmental Sciences/Biophysics	Biophysical alterations in blood dynamics of rat after exposure to electro-magnetic radiations (X-Rays and Ultraviolet rays).	Awarded 2004	Dr. Sharique A. Ali, Saifia Science College, Bhopal
11.	Dr. Sangeeta Choudhary	Biosciences	Morphological, cytological and biochemical evaluation of endangered species of <i>Chlorophytum boribilianum</i> and <i>Chlorophytum tuberosum</i> with reference to certain medicinal efficacies	Awarded 2006	Dr. Sharique A. Ali, Saifia Science College, Bhopal
12.	Dr. MS Ahmed	Biosciences	Comparative histopathological evaluation of oral sub mucous fibrosis in certain habitual gutkha chewers of Bhopal and Patna	Awarded 2005	Dr. Sharique A. Ali (Co-Guide), Saifia Science College, Bhopal
13.	Dr. Sunita Yadav	Biosciences	Heamatological and biochemical evaluation of cadmium and lead exposure per se and with vitamin E in domestic fowl ( <i>Gallus gallus</i> ).	Awarded 2009	Dr. Sharique A. Ali, Saifia Science College, Bhopal
14.	Dr. Deepesh Awasthi	<b>Biotechnology</b>	Scientific validation of active principles withanolide-A and withaferin-A from various phenological stages of extinct species of <i>Withania somnifera</i> using micropropagation.	Awarded 2010	Dr. Sharique A. Ali, Saifia Science College, Bhopal
15.	Dr. Raj Sharma	Biosciences	Phytochemical and pharmacological evaluation of <i>Psoralia corylifolia</i> extracts on fish melanophores.	Awarded 2010	Dr. Sharique A. Ali, Saifia Science College, Bhopal

16.	Dr. Meena Iqbal	Biosciences	Isolation, characterization and medical efficacy of some active principles from <i>Cocculus hirsutus</i> and <i>Tinospora cordifolia</i> with reference to their anti-diabetic properties.	Awarded 2010	Dr. Sharique A. Ali, Saifia Science College, Bhopal
17.	Dr. K.V. Meitei	Biosciences	Pharmacological studies on the effects of <i>Withania somnifera</i> and <i>Nigella sativa</i> plant extracts on the isolated integumental melanophores of the wall lizard <i>Hemidactylus flaviviridis</i> (rupell)	Awarded 2011	Dr. Sharique A. Ali, Saifia Science College, Bhopal
18.	Dr. Rajesh Kumar Singh	<b>Biotechnology</b>	Identification and characterization of genes related to aroma, volatile and value addition during mango fruit ripening of mango, <i>Mangifera indica</i> .	18-11-2008, (Awarded 2013)	Dr. Sharique A. Ali, Saifia Science College, Bhopal
19.	Dr. Mohd.Sajid	<b>Biotechnology</b>	Pharmacological evaluation of certain plant extracts using amphibian-mammalian melanocyte model with reference to their melanogenic activity	26-10- 2006 (Awarded 2013)	Dr. Sharique A. Ali, Saifia Science College, Bhopal
20.	Dr. Meena Swami	Bioscience	Effect of certain recent histaminergic and cholinergic agonists and antagonists on the isolated scale melanophores of <i>Rasbora elanga</i>	Awarded 2014	Dr. Sharique A. Ali, Saifia Science College, Bhopal
21.	Dr. Tahira Sultan	<b>Biotechnology</b>	Studies on molecular mechanism of induced melanogenesis in to	26-06-2006 (Awarded 2014)	Dr. Sharique A. Ali, Saifia Science College, Bhopal

			toad and cultured mammalian melanocytes using certain plant extracts		
22	Dr. Saima Salim	Biosciences	Pharmacological effects of recent histaminergic and serotonergic compounds on isolated scale melanophores of <i>Oreochromis mossambicus</i> (Peters)	Awarded 2014	Dr. Sharique A. Ali (Co-Guide), Saifia Science College, Bhopal
23.	Dr. J.M. Galgut	<b>Biotechnology</b>	Effects of certain active ingredients from plant extracts on isolated amphibian and cultured mammalian melanocytes for developing new therapeutic agents in treatment of hyperpigmentation.	Awarded 2015	Dr. Sharique A. Ali, Saifia Science College, Bhopal
24.	Dr. Alpana Singh	<b>Biotechnology</b>	Study of T <sub>H</sub> 17 cells in human immunodeficiency virus infected Indian individuals with reference to their pathological and therapeutic significance.	15-10-2009 (Awarded 2015)	Dr. Sharique A. Ali, Saifia Science College, Bhopal
25.	Dr. Rumysa Khaliq	Zoology	Impact of pollution load on Wular lake of Kashmir with special emphasis on fish biodiversity	Awarded 2015	Dr. Sharique A. Ali (Co-Guide), Saifia Science College, Bhopal
26.	Mrs. Sushma Prasad	<b>Biotechnology</b>	Use of microsatellite DNA markers in conservation of camel species of Madhya Pradesh and Rajasthan.	Submitted 2015	Dr. Sharique A. Ali, Saifia Science College, Bhopal
27.	Dr. M. Miraj	Biosciences	Possibilities on the use of herbal extracts of <i>Curcumin longa</i> in the treatment of arthritis.	Awarded 2016	Dr. Sharique A. Ali, Saifia Science College, Bhopal



28.	Dr. Laksman Kumar	Biosciences	Toxicological effect of aluminum and its amelioration using extracts of <i>Aloe vera</i> in rats with respect to hematological and biochemical parameters.	Awarded 2017	Dr. Sharique A. Ali, Saifia Science College, Bhopal
29.	Dr Kamal Uddin Zaidi	Biosciences	Purification and characterization of tyrosinase from <i>Pleurotus ostreatus</i> and <i>Agaricus bisporus</i> and its effect on mammalian melanocytes wrt melanogenesis	13-10-2011 (Awarded 2016)	Dr. Sharique A. Ali (Co-Guide), Saifia Science College, Bhopal
30.	Mr. Ram Kumar Choudhary	<b>Biotechnology</b>	Studies on the molecular mechanism of melanolysis using novel active ingredients of certain plants on the isolated amphibian and cultured mammalian melanocytes	08-08-2011	Dr. Sharique A. Ali, Saifia Science College, Bhopal
31.	Ms. Nargis Khan	<b>Biotechnology</b>	Effect of certain formulated plant extracts on mammalian melanocytes for development of novel skin depigmenting agent.	02-09- 2011	Dr. Sharique A. Ali, Saifia Science College, Bhopal
32.	Ms. Ishrat Naaz	<b>Biotechnology</b>	Development and evaluation of novel skin darkening agent from the extracts of <i>Berberis vulgaris</i> and its nanoformulation using <i>in vivo</i> and cultured mammalian melanocyte models.	22-07-2014	Dr. Sharique A. Ali, Saifia Science College, Bhopal
33.	Mr. Gajendra Mahor	Biosciences	Protective effects of <i>Aloe vera</i> extract against Aluminium Sulphate induced toxicity in Rat ( <i>Rattus rattus</i> ) with	Registered 2014	Dr. Sharique A. Ali, Saifia Science College, Bhopal

			reference to certain biochemical and genetical parameters.		
34.	Ms Naima Parveen	<b>Biotechnology</b>	Development of depigmentation agents from active ingredients of <i>Morus alba</i> and <i>Lagenaria siceraria</i> using Guinea pig as model with reference to computational molecular modeling	18-07- 2016	Dr. Sharique A. Ali (Co-Guide) , Saifia Science College, Bhopal
35.	Mrs. Zeba Khan	<b>Biotechnology</b>	Understanding the mechanism of N-succinimidyl-N-Methylcarbamate induced Parkinson's disease using cultured SH-5454 Brain Cells	18-07-2016	Dr. Sharique A. Ali, Saifia Science College, Bhopal
36.	Shazia Khan	<b>Biotechnology</b>	Isolation and molecular characterization of low density polythene degrading fungi from soils of Bhanpur dumping zone with reference to screening of enzymes responsible for biodegradation.	20-07-2016	Dr. Sharique A. Ali (Co-Guide) , Saifia Science College, Bhopal
37.	Jamna Prasad Ahirwar	Bioscience	An ecological study of some rural ponds in Berasia Block with special reference to diversity of fish fauna	2016	Dr. Sharique A. Ali, Saifia Science College, Bhopal
38 to 45					

### **DETAILS OF PROJECTS UNDERTAKEN**

S. No	Name of the funding	Name of the Scheme	Programme Title	Year of Funding	Duration	Amount Sanctioned	Status: Ongoing/ Completed
-------	---------------------	--------------------	-----------------	-----------------	----------	-------------------	----------------------------

	agency						
1.	MPCOST, Bhopal	Research project	Effect of histamine releasers on amphibian skin pigmentation and its blockade by drugs with reference to leukoderma	1985	3 years	Rs. 1,00,000/-	Completed
2.	US Department of Agriculture	Research project	Management of productivity and production of fish in sewage pond effluents from urban areas	1985	5 years	Rs. 18,00,000/-	Completed
3.	MPCOST, Bhopal	Research project	Pharmacological and Toxicological studies of amphibian and reptilian melanocytes with reference to pigmentary disorders	1995	3 years	Rs. 1,08,000/-	Completed
4.	UGC, New Delhi	Research project	Effects of UV light and background adaptations on amphibian melanophores	1996	3 years	Rs. 1,45,000/-	Completed
5	MPCOST, Bhopal	Research project	Screening of novel Antivitiligo agents from plant extracts	2008	3 years	Rs.3,50,000/-	Completed

			using animal melanocytes.				
6	MP Biotechnology Council, Bhopal	Research project	Molecular studies on Mechanism of Melanogenesis using Cell Lines	2010	3 years	Rs 5,20,000/-	Completed
7.	MPCOST, Bhopal	Research project	Ultrastructural studies of amphibian and mammalian melanocytes in culture during process of induced melanogenesis by certain plant active ingredients	2012	2 years	Rs. 4,98,000/-	Completed

**COMPLETE LIST OF 160 FULL RESEARCH PAPERS PUBLISHED BY DR. SHARIQUE A. ALI**

1. Parveen N, Khan A, Ali AS and **Ali SA**. (2020). Air quality changes during lockdown amid COVID-19 in Central India: Insight into the analysis of certain air quality parameters during pre-lockdown, lockdown and unlock phases. **Atmospheric Pollution Research, Elsevier**, (Under Review)
2. Alghadir A, Miraj M and **Ali SA**. (2020). Efficacy of curcumin with iontophoretic application on paw edema and haematological responses in collagen-induced arthritis rat models. **Evidence Based Complementary and Alternative Medicine**. 2020 (2020). 4606520, 11 pages. DOI:10.1155/2020/4606520
3. **Ali SA**, Ali AS and Khan S. (2020). Nanoparticles in environmental remediation with special reference to polyethylene biodegradation: A review. **Bulletin of Environment, Pharmacology and Life Sciences**. 9(6/7): (In Press)
4. Khan S, Ali AS and **Ali SA**. (2020). Green nanotechnology: A boon in silver nanoparticle synthesis certain aspects of silver nanoparticles biomedical applications and an outline of its toxicological impacts- a mini review. **European Journal of Pharmaceutical and Medical Research**. 7(10):261-273

5. Ahirwar JP and **Ali SA**. (2020). Comparative analysis of fish diversity from three rural cooperative managed ponds of Bhopal district, MP, India. **International Journal of Entomological Research**. 5(4):99-104
6. Mahor G and **Ali SA**. (2020). Protective effect of *Aloe vera* extract on aluminium induced alteration in serum lipid profile of male albino rat (*Rattus norvegicus*). **Toxicological Report, Elsevier** (In Press).
7. Parveen N, Ali AS, **Ali SA**. (2019). On the intricacies of facial hyperpigmentation and the use of herbal ingredients as a boon for its treatment: Cosmeceutical significance, current challenges and future perspectives. In: Depigmentation, **Intech Open Publishers** (Published online).
8. **Ali SA**, Parveen N and Ali AS. (2019). Promoting melanocyte regeneration using different plants and their constituents. In: **Herbal Medicines Back to Future: Cancer therapy** (Bentham Science Publishers). 3: 247-276. DOI: 10.2174/9789811411205119030010.
9. Zaidi KU, Khan FN, **Ali SA**, Khan KP. (2019). Insight into Mechanistic Action of Thymoquinone Induced Melanogenesis in Cultured Melanocytes. **Protein Peptide Letters**. Doi: 10.2174/0929866526666190506114604.
10. Zaidi KU, Ali SA, Ali AS, Naaz I. (2019). Natural Tyrosinase Inhibitors: Role of Herbals in the Treatment of Hyperpigmentary Disorders. **Mini Reviews in Medicinal Chemistry**. 19(10): 796-808. DOI : 10.2174/1389557519666190116101039
11. Mahor G, **Ali SA**, Parveen N. (2019). Aloin from *Aloe vera* Leaves: A Potential Natural Aluminium Detoxificant. **Bioscience Biotechnology Research Communication**. 12(2): DOI: <http://dx.doi.org/10.21786/bbrc/12.2/41>
12. Parveen N, Ali AS, **Ali SA**. (2019). Commercial zebra fish farming: a new concept of genetic manipulation for ornamental fish trade. **Everyman's Science**.4: 232-236.
13. Mahor G and **Ali SA**. (2019). *Aloe vera* cultivation: A profitable business to Indian farmers. **Everyman's Science**. 6: 367-372
14. Mahor G, **Ali SA** (2018). Protective effects of *Aloe vera* extract on aluminium sulphate induced alterations in serum lipid profile of male albino rat *Rattus norvegicus*. **Bioscience Biotechnology Research Communication**. 11(4):727-733.

15. Parveen N, **Ali SA**, Ali AS (2018). Insights into the explication of tyrosinase inhibitors with reference to computational studies. **Letters in Drug Design and Discovery**. 16(11):1182-1193. DOI: 10.2174/1570180815666180803111021.
16. Naaz I and **Ali SA** (2018). Isolation and characterization of bioactive compound berberine in the root extract of *Berberis vulgaris* for the development of novel skin darkening agent. **Journal of Analytical and Pharmaceutical Research**. 7(4): 467-470.
17. Khan Z and **Ali SA**. (2018). Oxidative stress-related biomarkers in Parkinson's disease: A systematic review and meta-analysis. **Iranian Journal of Neurology**. 17(3):137-144.
18. Zaidi KU, **Ali SA**, Ali AS and Naaz I (2018). Natural tyrosinase inhibitors: Role of herbals in the treatment of hyperpigmentary disorders. **Mini Reviews in Medicinal Chemistry**. 19(10):796-808.
19. **Ali SA**, Parveen N, Ali AS. (2018). Links between the Prophet Muhammad (PBUH) recommended foods and disease management: A review in the light of modern superfoods. **International Journal of Health Sciences Pub Med** 12(2): 61–69.
20. Zaidi KU, **Ali SA**, Ali AS. (2018). Purified Mushroom Tyrosinase Induced Melanogenic Protein Expression in B16F10 Melanocytes: A Quantitative Densitometric Analysis. **The Open Medicinal Chemistry Journal**. 12,36-47.
21. **Ali SA** and Naaz I. (2018). Biochemical aspects of mammalian melanocytes and the emerging role of melanocyte stem cells in dermatological therapies. **International Journal of Health Sciences Pub Med**, 12(1): 69-76.
22. **Ali SA**. (2017). Recent advances in treatment of skin disorders using herbal products. Editorial for **Journal of Skin**, 1(1):6-7.
23. Khan N, **Ali SA** and Parveen N. (2017). The intricacies of vitiligo with reference to recent updates in treatment modalities. **European Journal Of Pharmaceutical And Medical Research**,5(02), 187-196
24. Zaidi KU, **Ali SA**, Ali AS. (2017). Pluripotent Stem Cell Technology: A Promising Remedy for Hypopigmentation Disorders. **Journal of Stem Cell Research & Therapeutics** 2 (5), 1-4
25. Parveen N, Zaidi KU, **Ali SA** and Ali AS. (2017). Microarray as high throughput tool for tyrosinase gene expression analysis. **MOJ Proteomics & Bioinformatics** 6(2): 1-4
26. **Ali SA** and Khan Z. (2017). Update on pesticide exposure and Parkinson's disease: A review. **European Journal of Pharmaceutical and Medical Research**, 4(8): 224-234.

27. Zaidi KU, **Ali SA** and Ali AS, ThawaniV. (2017). Natural Melanogenesis Stimulator a Potential Tool for the Treatment of Hypopigmentation Disease. **International Journal of Molecular Biology** 2(1): 1-5.
28. **Ali SA**, Naaz I, Zaidi KU and Ali AS. (2017). Recent updates on melanocyte biology and the use of promising bioactive compounds for the treatment of hypopigmentary disorders: A review. **Mini Reviews in Medicinal Chemistry**, 17(9)-785-798.
29. Zaidi KU, **Ali SA** and Ali AS (2017). Melanogenic effect of purified mushroom tyrosinase onB16F10 melanocytes: A phase contrast and immunofluorescence microscopic study.**Journal of Microscopy and Ultrastructure** 5(2): 82-89
30. Zaidi KU, **Ali SA** and Ali AS. (2016). Effect of purified mushroom tyrosinase on melanin content and melanogenic protein expression. **Biotechnology Research International**. Volume 2016, Article ID 9706214, 8 pages.
31. Jakkala LK, **Ali SA**, Choudary RK, Mahor G (2016). Protective role of *Aloe vera* against aluminium induced changes in liver enzymes activity (alt, ast and alp) of albino rats, *Rattus norvegicus*; **World Journal of Pharmacy and Pharmaceutical Sciences**, Vol 5(10), 1321-1333.
32. Jakkala LK and **Ali SA**. (2016). *Aloe vera* protects the aluminium induced changes in testicular enzymes activity of albino rats, *Rattus norvegicus*.**World Journal of Pharmacy and Pharmaceutical Sciences**Vol 5(5) 1091-1104.
33. Jakkala LK, **Ali SA**, ChoudaryRK, Mahor G (2016).*Aloe vera* protects the aluminium induced changes in liver enzymes activity of albino rats, *Rattus norvegicus*, **World Journal of Pharmacy and Pharmaceutical Sciences** 2016 - Volume 5(6); 1289-1300
34. Parveen N, **Ali SA**, Ali AS (2016). Respirocytes: the artificial red blood cells and their role in blood transfusion. **International Journal of Advanced Research in Science, Humanities & Engineering**.
35. Zaidi KU, Ali AS and **Ali SA**. (2015). Purification and characterization of high potential tyrosinase from macrofungi and its appliance in food engineering. **Journal of Microbiology, Biotechnology & Food Sciences** 5(3): 203-206
36. Jakkala LK, **Ali SA** (2016). Protective role of *Alove Vera* against Aluminium induced changes in the body weight reduction of albino rats, *Rattus norvegicus*” **Asian Journal of Pharmacology and Toxicology**, 04(15); 33-38.
37. Jakkala LK and **Ali SA**. (2015). Amelioration of the toxic effects of aluminium induced histopathological changes in testis of albino rats by *Aloe vera*. **World Journal of Pharmacy and Pharmaceutical Sciences**. Vol 5(5) 806-814.

38. Mahor G and **Ali SA**. (2015) An update on the role of medicinal plants in amelioration of aluminium toxicity. **Biosc.Biotech.Res.Comm** Vol 8 (2) 177-188
39. Jakkala LK and **Ali SA**. (2015). *Aloe vera* protects aluminium induced changes in brain enzyme activity of albino rats, *Rattus norvegicus*. **Biosc.Biotech.Res.Comm**. Vol 8(2) 197-203
40. Ali SA, Khan SA, Naaz I and **Ali AS**. (2015). Adverse health effects of pesticide exposure in workers of a pesticide manufacturing factory **Biosc.Biotech.Res.Comm**. Vol 8 No.(2) 208-212
41. Jakkala LK and **Ali SA** (2015). *Aloe vera* protects the aluminium induced degenerative changes in liver and kidney of albino rats, *Rattus rattus*. **Journal of Global Biosciences**, Volume 4(8)(2015),p3158-3164
42. Jakkala LK and **Ali SA** (2015). Amelioration of the toxic effects of aluminium induced neuro degenerative changes in brain of albino rats by *Aloe vera*. **Journal of Global Biosciences**, Vol 4(8),pp:3171-3177
43. Prasad S, **Ali SA**, Banerjee P, Joshi J, Sharma U, and Vijn RK. (2015). Population genetic structure of the camel, *Camelus dromedarius* based on microsatellite loci: Knock-on effect for conservation **Biosc.Biotech.Res.Comm**. Vol.8 No.(2) 153-160
44. **Ali SA**, Choudhary RK, Naaz I, Khan N, Sajid M, Galgut J, Miraj M, Jakkala L and Ali AS. (2015). Comparative characterization and scientific validation of certain plant extracts from their biomedical importance. **Biosci. Biotech. Res. Comm**, 8(1): 57-64.
45. **Ali SA**, Choudhary RK, Naaz I and Ali AS. (2015). Understanding the challenges of melanogenesis, key role of bioactive compounds in the treatment of hyperpigmentary disorders. **Journal of Pigmentary Disorders**, 2(11)
46. Miraj M and **Ali SA**. (2015). Body weight responses of carrageenan induced arthritic rats during their treatment with different application of curcumin. **Biosci. Biotech. Res. Comm**. 7(2): 163-165.
47. **Ali SA** and Naaz I. (2015). Understanding the ultrastructural aspects of berberine induced skin darkening activity in the toad, *Bufo melanostictus melanophores*. **Journal of Microscopy and Ultrastructure, Elsevier USA**, 3(4): 210-219.
48. **Ali SA** and Naaz I. (2015). Current challenges in understanding the story of skin pigmentation: Bridging the morpho-anatomical and functional aspects of mammalian melanocytes. In: **Muscle Cell and Tissue**. Pp 262-285. Kunihiro Sakuma (Ed.) **InTech Open House, Europe, USA**. ISBN 978-953-51-2156-5, Published: September 2, 2015.



49. Prasad S, **Ali SA**, Vijh RK. (2015). Genetic and demographic bottleneck analysis of Malvi Camel breed by Microsatellite markers. **Camel Research and Practices**.4(3):45-49
50. Prasad S, **Ali SA**, Vijh RK. (2015). Population genetics structure of the Camel (*Camelus dromedarius*) based on microsatellite loci: knock-on effect for conservation. **Bioscience Biotechnology Research Communication**. 8(2):153-160
51. Prasad S, **Ali SA**, Vijh RK. (2015). RNA-Seq: A revolutionary tool. **DNA J of life**. 12(4):34-45.
52. Prasad S, **Ali SA**, Banerjee P, Joshi J, Sharma U, Vijh RK. (2014). Genetic characterization of Malvi Camel using Microsatellite markers. **International Journal of Biomedical & Life Sciences**, 5(1).
53. Prasad S, **Ali SA**, Banerjee P, Joshi J, Sharma U, Vijh RK. (2014). Identification of SNPs and their validation in camel (*Camelus dromedarius*). **IOSR Journal of Agriculture and Veterinary Science (IOSR-JAVS)** 7(2):65-70.
54. **Ali SA** (2014).The dilemma of quality publication and its benefits in India. **Current Science (Indian Academy of Science Bangalore)** August 25<sup>th</sup>Vol.107-No.4, 559
55. Khan N and **Ali SA**. (2014).HPLC-MS analysis of isoliquiritigenin from the root extract of *Glycyrrhiza glabra* for developing a novel depigmenting agent. **Biosci. Biotech. Res. Comm.** 7(1): 89-93 (2014)
56. **Ali SA**, Khan SA, Naaz I and Ali AS. (2014). Adverse health effects of pesticide exposure in workers of a pesticide manufacturing factory of Bhopal **Journal of Clinical Toxicology**.
57. Choudhary A, Ali AS and **Ali SA** (2014). Adverse health effects of organophosphate pesticides among occupationally exposed farm sprayers : A case study of Bhopal Madhya Pradesh, India **Asian Journal of Biomedical and Pharmaceutical Sciences** Vo.4 (35) 29-34.
58. **Ali SA** and Naaz I. (2014). Comparative light and electron microscopic analysis of dorsal skin melanophores of Indian toad, *Bufo melanostictus*. **Journal of Microscopy and Ultrastructure, Elsevier USA**, 2: 230-235.
59. Zaidi KU, **Ali SA**, Ali AS and Naaz I. (2014).Microbial tyrosinase: promising enzyme for pharmaceutical, food bio-processing and environmental industries. **Biochemical Research International, USA Vol. 2014 (Article ID-854687,15 page)**.

60. Khan N and **Ali SA**. (2014). Quantitative determination of Eugenol in aqueous extract of *Ocimum sanctum* by High Performance Thin Layer Chromatography. **Journal of Pharmacy Research**8(8),1158-1161.
61. **Ali SA**, Naaz I and Choudhary RK. (2014). Berberine induced pigment dispersion in *Bufo melanostictus* melanophores by stimulation of beta-2 adrenergic receptors. **Journ. Recep. Sign. Transd. (Informa, USA)** 34(1):15-20.
62. Choudhary A, Ali AS and **Ali SA**. (2014). Organophosphate pesticides exposure induces neurological disorders in the farm sprayers of Bhopal, Madhya Pradesh. **Biosci. Biotech. Res. Comm.** 7(1) 58-61
63. Zaidi KU, Ali AS and **Ali SA**. (2014). Purification and Characterization of Melanogenic Enzyme Tyrosinase from Button Mushroom. **Enzyme Research**, Volume 2014 (2014), Article ID 120739, 6 pages.
64. Choudhary A, Ali AS and **Ali SA**. (2013). Short and long term exposure dependent assessment of organophosphate pesticides in farm sprayers of Bhopal. *International Journal of Toxicology*. (Communicated)
65. Choudhary A, Ali AS and **Ali SA**. (2013). Assessment of certain biochemical responses of organophosphate pesticide sprayers of Bhopal. *Interdisciplinary Toxicology*. **Interdisciplinary Journal of Toxicology**. 17: 56-64.
66. Sajid M and **Ali SA**. (2013).HPTLC analysis of piperine from *Piper nigrum*, a possible candidate for vitiligo treatment. **Biosci. Biotech. Res. Comm.** 6(1): 107-109.
67. Zaidi KU, Manil A, Ali AS and **Ali SA**. (2013).Evaluation of tyrosinase producing endophytic fungi from *Calotropis gigantea*, *Azadirachta indica*, *Ocimum tenuiflorum* and *Lantana camara*. **Annual Review & Research in Biology** 3(4): 389-396
68. Singh A, Vajpayee M, **Ali SA**, Chauhan NK. (2013). Loss of ROR $\gamma$ t DNA binding activity inhibits IL-17 expression in HIV-1 infected Indian individuals. **Viral Immunol. USA** 26(1): 60-70.
69. Singh A, Vajpayee M, **Ali SA**, Chauhan NK. (2013). Cellular interplay among Th17, Th1 and Treg cells in HIV-1 subtype C infection. **Journal of Medical Virology (John Wiley)** DOI 10.01002/jmv.23810.
70. Salim S, Ali AS and **Ali SA**. (2013). 5-HT receptors subtypes as key regulators in causing pigment dispersion within the melanophores of *O. mossambicus*. **Comp. Biochem. Physiology. Elsevier USA** (Part B) 164(2): 117-23.

71. **Ali SA**, Salim S, Sahni T, Peter J and Ali AS.(2012c). 5- HT receptors as novel targets for optimizing skin pigmentary responses in dorsal skin melanophores of frog *Hoplobatrachus tigerinus*. **British Journal of Pharmacology, U.K. The British Pharmacological Society**165(5): 1515–1525 John Wiley UK
72. **Ali SA**, Choudhary RK and Jakkala LK. (2012). Quantitative estimation of Aloin from *Aloe vera* leaf extracts by High Performance Thin Layer Chromatography. **Biosci. Biotech. Res. Comm.** 5(2): 206-209.
73. Salim S and **Ali SA**. (2012). Melanophores : The smooth Muscle Cells in Disguise In: Current Basic and Pathological Approaches to the Function of Muscle Cells and Tissues - From Molecules to Humans. Pp 133-158.Harou Sugi (Ed.) **InTech Open House. ISBN 980-953-307-029-7 Europe, USA**
74. Singh A, Vajpayee M, **Ali SA**, K Mojumdar and Chauhan NK. (2012). HIV-1 diseases progression associated with loss of Th17 cells in subtype ‘C’ infection, **Cytokine Elsevier USA**60(1): 55–63,
75. Salim S, **Ali SA** and Ali AS. (2012a).The Peripheral bearing of Serotonergic receptors and their cross interaction: a key mien in Vertebrate Skin Pigmentation. **IISTE, USA.**
76. Salim S, Ali AS and **Ali SA**. (2012b). Auto-regulatory role of novel histamine H<sub>3</sub> Like receptors (H<sub>3</sub>R) and subsequent modulation of adrenergic induced aggregation in the pigmentary responses of *Oreochromis mossambicus*. **Pharmacologia UK Science Reuters** 3 (8): 325-335.
77. Salim S, Ali AS and **Ali SA**. (2012c).On the role of Histaminergic receptors as regulators of pigmentary responses in *O. mossambicus* melanophores. **Journ. Recep. Sign. Transd USA** 32(6): 314-20.
78. Vajpayee M, Singh A, Ali SA, Kumar N, and Singh R. (2012).Immunodynamics of Th17 cells in HIV-1 subtype C infection. **BMC Infectious Disease Suppl.**, May 4 2012, DOI 10.1186/1471-2334-12-S-03.
79. **Ali SA**, Galgut JM and Choudhary RK. (2012). On the novel action of melanolysis by leaf extract of *Aloe vera* and its active ingredient aloin, the potent depigmenting agent. **Planta Medica UK (Thieme)** 78, 1-5
80. Chaudhari SA, Peter J, Galgut JM and **Ali SA**. (2012). Melanin Inhibitory and melanin stimulatory effects of extracts of *Chlorophytum tuberosum* and *Chlorophytum borivilianum* on isolated fish scale melanophores. **African Journal of Pharmacy and Pharmacological Research.** 6 (12): 919-923.

81. Galgut J.M. and **Ali SA**. (2012). Hesperidin induced melanophoreaggregatory responses in tadpole of *Bufo melanostictus* via  $\alpha$ -adrenoceptors. **Pharmacologia** 3(10): 519-524 (DOI 10.5567), **Science Reuters (UK)**.
82. **Ali SA** and Meitei KV (2012). *Withania somnifera* root extracts induce skin darkening in the wall lizard melanophores via stimulation of cholinergic receptors. **Natural Product Research (UK)**, 26(17): 1645–1648.
83. Meitei KV and **Ali SA**. (2012). Fig leaf extract and its bioactive compound psoralen induces skin darkening effect in reptilian melanophores via cholinergic receptor stimulation. **In Vitro Cellular & Developmental Biology – Animal**. 48(6):335-33: **Springer USA**
84. **Ali SA** and Meitei KV (2012). *Nigella sativa* seed extract and its bioactive compound thymoquinone the new melanogens causing hyperpigmentation in the wall lizard melanophores. **Journal of Pharmacy and Pharmacology, Great Britain Society UK (Wiley – Blackwell ) IF 3.0** 63-741- 746
85. Khaliq R, **Ali SA**, Zafar T, Farooq M and Bilal A. (2012). Effect of pollution on the fish diversity of Wularlake of Kashmir. **Biosci. Biotech. Res. Comm.** 5(2): 158-161.
86. Khaliq R, **Ali SA**, Zafar T, Farooq M and Bilal A. (2012). Physiochemical status of Wular Lake in Kashmir. **Journal of Chemical, Biological and Physical Sciences**. 3(1) 631-636
87. **Ali SA**, Salim S, Ali AS, Peter J. (2011). In vitro analysis on the effects of UV-B radiation on the dorsal skin melanophores of Indian Bull frog *Haplobatrachus tigrinus*. **International Journal of Pharma and Biosciences**. 2(4):B158-B173.
88. **Ali SA** and KV Meitei (2011) On the action and mechanism of withaferin-A from *Withania somnifera* a novel and potent melanin dispersing agent in frog melanophores. **Journal of Receptors & Cell Transduction USA**, 31(5): 367-373.(IF: 1.894)
89. T. Sultan and **Ali SA**. (2011) *Psoralea corylifolia* extracts stimulate cholinergic like psoralen receptors of tadpole tail melanophores leading to skin darkening. **Journal of Receptors & Cell Transduction USA**. 31(1):39-44.
90. Salim S and **Ali SA**. (2011) Vertebrate Melanophores as potential model for drug discovery and development: A Review. **Cell. Mol. Biol. Letters UK**. 16(1) :162-200
91. **Ali SA**, T. Sultan, Galgut JM, Sharma R., Meitei KV and Ali AS. (2011): In vitro responses of fish melanophores to lyophilized extracts of *Psoralea corylifolia* seed

sand pure psoralen Accepted in **Pharmaceutical Biology, USA** (doi:10.3109/10799893.2010.508164)

92. Salim S, Ali AS and **Ali SA**. (2011) Insights into the physio-modulatory role of histaminergic receptors in vertebrate skin pigmentation: **Journal of Receptors and Signal transduction, USA. 31(2): 121-31.**
93. Peter J, Meitei KV, Ali AS and **Ali SA**. (2011) Effects of histaminergic compounds on the melanophore responses of the wall lizard, *Hemidactylus flaviviridis*. **Current Science 101(2): 226-229.**
94. **Ali SA**, Ali AS & Peter J (2011) Effect of Ultraviolet - B Radiation on the Skin Melanophores of Indian bullfrog *Hoplobatrachus tigerinus*. **BioScience. (USA), 2(4): 158-173**
95. Galgut JM and **Ali SA**. (2011) Effect and mechanism of action of resveratrol: a novel melanolytic compound from the peanut skin of *Arachis hypogaea*. **Journal of Receptors and Signal Transduction. 31 (5):374–384.USA**
96. Galgut JM, **Ali SA** and Peter J. (2011) Estimation of resveratrol in *Arachis hypogaea* fruit skin extracts by High-Performance Thin-Layer Chromatography. **Bioscience and Biotechnology Research Communication. 4 (1):37-40.**
97. Galgut JM and Ali SA. (2011) Hesperidin induced melanophore aggregatory responses in tadpole of *Bufo melanostictus* via  $\alpha$ - adrenoceptors. **Pharmacologia UK. 3(10):519-524**
98. Sajid M and Ali SA. (2011). Mediation of cholino-piperine like receptors by extracts of *Piper nigrum* induces melanin dispersion in *Rana tigerina* tadpole melanophores. **J. Receptors & Signal Transduction, USA, 31 (4) :286-290(IF: 1.894)**
99. Singh RK, Ali SA, Nath P and Sane VA (2011). Activation of ethylene-responsive p-hydroxyphenylpyruvatedioxygenase leads to increased tocopherol levels during ripening of mango. *Journal of Experimental Biology*, 6; 1-11.
100. Ali AS, Mitra J and **Ali SA**. (2011). Biochemical markers for toxicological assessment A review Biochemical markers for toxicological assessment: **Delhi Publishing Company: 117-131.**
101. Singh RK, Sane VA, Misra A, **Ali SA**, Nath P (2010): Members of Alcohol dehydrogenase gene family in mango express differentially during ripening. **Phytochemistry, Elsevier USA71:1485–1494.**

102. Shaik NA, Jilani SP, **Ali SA**, Imran A and Rao DK (2010). Increased frequency of micronuclei in diabetes mellitus patients using pioglitazone and glimepiride in combination. **Food and Chemical Toxicology. Elsevier, USA** 48(12): 3432-3435.
103. Awasthi D, Meitei KV, Mishra R. and **Ali SA**. (2009) Validation of harvesting period for obtaining optimum concentrations of withanoloides from *Withania somnifera* at different phenological stages of plant **Indian J. Tropical Biodiversity**. 17(2):129 -132.
104. Yadav S and **Ali SA**. (2009). Cadmium hazards to Birds: A synoptic view. **Res. Hunt**. 4(2): 35-41.
105. Yadav S, Ali AS, **Ali SA**. (2009). Vitamin A ameliorates toxic effects of cadmium in domestic fowl. **Indian Journal of Poultry Science ICAR Govt of India New Delhi** .44(3): 402-404
106. Ali AS., Khan I and **Ali SA**. (2009). Bioremediation of contaminated soils using earthworms. In Hand book of Agriculture Biotechnology, **Ed DK Maheshwari International Publishers New Delhi**
107. Parveen A, Ali AS and **Ali SA**. (2009). Role of shore line macrophytes in management and conservation of a tropical lake. **Biosc. Biotech. Res. Comm.** 2 (2): 195-199
108. Singh A and **Ali SA**. (2009). T<sub>H</sub> 17 Cells: New Members of T Helper (TH) Lymphocyte family **Biosc. Biotech. Res. Comm**, 2(2): 133-138
109. **Ali SA** and Meitei KV. (2009). Identification and quantification of thymoquinone from the seeds of *Nigella sativa*. **Biosc. Biotech. Res. Comm.** 2(2): 250-251
110. Pandey, Ali AS., Sajid M and **Ali SA**. (2008). Certain Biochemical studies on the Leaves of Medicinal Plant, *Eclipta alba*. **Biosc. Biotech Research Comm.** 1 (1):59-63.
111. **Ali SA**, Malik S, Meitei KV, Sultan T, Sajid M , Ali AS and Ovais M. (2008) Pharmacological effects of Lead Nitrate, Adrenaline and Potassium on isolated fish melanophores. **Biosc. Biotech. Res. Comm.** 1(1): 64-69.
112. **Ali SA**, Saxena M, Meitei KV, Sajid M and Ali AS. (2008) Biochemical studies of crude extracts of roots and leaves of *Withania somnifera*. **Biosc. Biotech Res Comm**, 1(2):168-172.

113. Awasthi D, Nigam RK and **Ali SA**. (2008) Secondary metabolite enhancement through elicitation of micro propagated plants of Ashwagandha (*Withania somnifera* L. Dunal) **Biosci. Biotech Res Comm**, 1(2):173-180.
114. Ali AS, Khan I. and **Ali SA**. (2007) Toxicological Monitoring using Earthworms. In: **Toxicology & Science of Poisons**, **Aavishkar Publishers Jaipur**, 167-186.
115. Khan I, Ali AS and **Ali SA**. (2007) Biomass and behavioral responses of earthworm *L. terrestris* to Copper Chloride. **Iranian Journal of Toxicology** 2 :64-71
116. Ahmed MS, **Ali SA**, Ali AS and Chaubey KK. (2006). Epidemiological and etiological study of oral sub mucous fibrosis among gutkha chewers of Patna. **J. Indian Society of Pedodontics and Preventive Dentistry**. 24(2): 84-89.
117. **Ali SA et al.** (2006) Friendly Earthworms. **Science Reporter, CSIR Govt of India New Delhi** 43(1): 28-30.
118. Ahmed MS, **Ali SA**, Ali AS. AndChaubey KK. (2006). Comparative severity of oral sub mucous Fibrosis in gutkha and other areca nut product Chewers Priority **Dentistry On Line** 1-11.
119. Yadav S and **Ali SA**. (2005). Role of vitamin A in the regulation of some aspects of cadmium toxicity in *Clarias batrachus*. **Biosci. Biotech. Res.Asia**.3 (2): 371-374.
120. Ahmad MS, **Ali SA**, and Ali AS. (2005). Site distribution of oral carcinoma reported cases in some tobacco- lime mixture **Biosci. Biotech. Res. Asia**. 3(2):329-334.
121. Ahmed MS, **Ali SA** and Ali AS. (2004) Understanding the pathological nature of oral plaque and its role in dental carries. **Biosci. Biotech. Res. Asia**. 02 (1):25-32.
122. Khan MI, Baig MA and **Ali SA**. (2004). Immobilization of enzyme trypsin by alginate gel through encapsulation. **Indian J. Applied and Pure Biology**. 19 (3):383-388.
123. **Ali SA**, Ali AS, Ali SN and Jain R. (2004). Effects of ultraviolet-C radiation on isolated fish scale melanophores. **Indian Journal of Radio & Space Physics. CSIR Govt of India New Delhi** .33:58-60.
124. **Ali SA**. (2000). Monitoring and evaluation of domestic waste water for fish culture. Aquaculture Research Needs For the Year 2000 AD, **Oxford University Press UK US Department of Agriculture & ICAR New Delhi Publication** 87-99

125. **Ali SA.** (1999) Science in Indian Universities: Problems and solutions, **Current Science (Indian Academy of Sciences Bangalore) Vol. 24:5-6.**
126. **Ali SA,** Peter J, Ali AS. (1998) Histamine receptors in the skin melanophores of Indian Bull frog, *Ranatigerina*. **Comp. Biochem. Physiol A. Elsevier:** 121:229-234.
127. Khan SA, **Ali SA,** Ohri B. (1997). Sex related differences in blood glucose levels of human subjects. **Oriental. J. Chem.** 13(2): 185-186.
128. **Ali SA** and Raju H. (1997) Histopathological examination of gills of *Cyprinus carpio* cultured in Domestic Waste Oxidation Ponds. **Ind. J. Environ. Health, NEERIGovt of India.** 12(3): 143-146
129. Peter J, Ali AS, **Ali SA.** (1996). Effect of histaminergic drugs on the integumental melanophores of adult *Bufo melanosticus*. **Ind J. Expt. Biol CSIR Govt of India New Delhi** 34:427-430.
130. Peter J, Ali AS and **Ali SA.** (1996). Ionic regulation of toad skin melanophores. **Ind J. Zool Spectrum.** 6(2): 47-50.
131. Peter J, **Ali SA,** Ali AS.(1996). Effect of certain phenolic compounds on the isolated scale melanophores of fish, *C. punctatus*. **XVIth Intl Pigment Cell Conf. Anaheim, California, USA In: Pigment Cell Res. Suppl. 5, 68, 71.**
132. **Ali SA,** Peter J, Ali AS. (1996). The presence of histaminergic components in the melanophore responses of lower vertebrates. **XVI<sup>th</sup>Int Pigment Cell Conf. Anaheim, California, USA In: Pigment Cell Res. Suppl. 5, 64, 171.**
133. **Ali SA,** Khan SA, Ali AS. (1995). Enforcement of environmental laws and regulations. **Environmental Conservation (Cambridge University Press UK),** 22(01): 77-78
134. **Ali SA et al.** (1995). On the presence of carbohydrates in the ovary of Indian field rat. *Nesociabandicoota*. **Ind J. Zool Spectrum.** 6:19-24.
135. **Ali SA et al.** (1995). Role of cholinergic receptors in melanophore responses of amphibians. **Acta Biol. Hungarica.** 46(1): 61-73.
136. **Ali SA,** Khare S., Khan MA., Ali AS. (1993) Prospects of culture of fresh water prawns in waste water ponds, In: **Proceedings Nat. Sem. Aquatic Biology, University of Kerala, Thiruvanthapuram** 27-32.



137. **Ali SA.,** Peter J, Ali AS (1993) Effects of histaminergic drugs on tail melanophores of tadpole, *Bufo melanosticus*, **Ind. J. Exptl. Biol, CSIR Govt of India New Delhi** Vol. 31. pp 440-442.
138. Khan AS, Ohri BS, **Ali SA.** (1993) Lipid profile as a tool to evaluate coronary heart disease risk. **Orient. J. Chem.** Vol. 9. pp 162-164.
139. **Ali SA,** Khan S.A. (1993) Assessment of certain haematological factors in pesticide exposed factory workers, **Bull. Environ. Contam. Toxicol, Springer USA,** Vol. 51, No. 5, pp 750-747
140. **Ali SA,** Peter J., Ali AS, H. Raju(1992) Histopathological evaluation of gills of carps cultured in domestic waste oxidation ponds. **Ind J. Zool Spectrum,** Vol 4, No. 2, pp. 23-27.
141. **Ali SA,** Khan S. (1992) Status of suspended and dissolved solids in tropical oxidation ponds and their removal through fish culture, **Orient J. Chem,** Vol 8, 352-355.
142. **Ali SA,** Peter J., Ali AS, (1991) Effects of alkaline earth ions on integumental melanophores of Indian frog, *Rana tigerina*. **Ind. J. Zool. Spectrum** Vol 2, pp 15-19.
143. **Ali SA,** Khan S and Ohri BS (1991) Diagnostic application of ELISA in thyroid function test in developing countries, **Ind J. Zool Spectrum** Vol 2-1, pp 43-45
144. **Ali SA,** Aleem I. (1991) On the presence of *Streptococci* in Narmada river at Hoshangabad, **Ind J. Zool Spectrum** Vol 2, 35-37
145. **Ali SA.** (1988) Final Tech. Report USDA/ PL- 480. **USA Project No. In: 623, FG In: AES,** 208, pp1-200
146. **Ali SA.** (1987) IIIrd Ann. Tech Res. Proj. **Report USDA-PL-480 American Project No, FG In: In AES** 208, pp. 1-96.
147. **Ali SA.** et al., (1987) Seasonal studies on the biomass of waste stabilization ponds of Bhopal, **Ind. J. Zool.** Vol. 150, 43-47.
148. **Ali SA.** (1986) First Annual Tech Res. Report, USDA PL- 480 Intl. Res. Project Management of productivity and production of fish in sewage pond effluents. **FG In: 623 In: AES/208,** pp. 1-80

149. **Ali SA.** (1986) BylemFiarasemiertelnegozu. W. Bhopal. **Polish Journal of Environmental Science. AuraPoland** Vol. 3, No. 159, pp. 25-26
150. Ali AS, **Ali SA**, Belsare DK.(1986) Phenyl mercury acetate induced hypothyroid condition of pigeon, *Columba livia*. **Ind. J. Applied Biol.** Vol. 1, pp. 29-32.
151. **Ali SA.** (1986) Sec. Annual Tech. Report, **FG IN: 623, USDA PL-480 Res. Project** pp 1-186.
152. **Ali SA.** (1986) Characterization of histaminergic receptors on isolated fish melanophores. **J. Invest. Dermatol.** Vol 87, No. 3, 29-31.
153. **Ali SA**, Ali A.S. (1985) The anticholinesterase activity of dichlorovos (DDVP) in isolated melanophores of *Channa punctatus*. **Orient. J. Chem.**, Vol.1 (1), pp. 41-43.
154. **Ali SA**, Ali AS Ovais M Belsare DK. (1985).*Invitro* effect of cyclic AMP on teleost melanophores. **Nat. Acad. Science Letters**, Vol. 193, pp. 294-297
155. Ovais, M. and **Ali SA.** (1984) Effect of autonomic drugs on the melanophores of wall lizard, *Hemidactylus flaviridis*. **Current Science**, Vol. 53, No. 6, pp. 303-306
156. Ali, AS **Ali SA**, Belsare, DK (1984) Effect of phenyl mercury acetate on ovary and crop of pigeon, *Columba livia*, **Ind. J. Zool.** Vol. 12, No. 2, pp. 40-44.
157. **Ali SA** (1983) Physiology and pharmacology of melanophores of teleostean fish *Channa punctatus*. Ph.D thesis, Barkatullah University, Bhopal. pp. 1-203. (**BARC-DAE Govt of India, National Fellowship Programme**)
158. **Ali SA**, Sabnis PB. (1979) Some histopathological changes observed in the testes of rat, *Rattus rattus*. **Ind. J. Zool**, Vol. 7, No. 2.,pp 37-40.
159. **Ali SA**, Ovais, M. (1979) Ionic regulation of melanophore activity in teleost *Channa punctatus*. **Ind. J. Zool**, Vol. 3. pp. 60-66.
160. **Ali SA** (1978) Effect of vasectomy on the physiology of testicular function of rat, *Rattusrattus*, **MSc Dissertation, Nagpur University, Nagpur** , India. pp. 1-45.

