

CURRICULUM VITAE

SHALINI SAGGU, Ph.D.

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PERSONAL DETAILS

Gender : Female
Nationality : Indian
Marital status : Married
Date of Birth : 05/07/1980

RESEARCH AND ACADEMIC EXPERIENCE

October 1 2012 – till date **Assistant Professor**, Department of Biology, Faculty of Sciences, University of Tabuk, Tabuk, **K.S.A.**

October 2010 – July 2012 **Scientist I**, Department of Neurosciences, Medical University of South Carolina, Charleston, SC, **USA.**

May 2008 – October 2010 **Postdoctoral fellow**, Department of Neurosciences, Medical University of South Carolina, Charleston, SC, **USA.**

January 2007- April 2008 **Postdoctoral Fellow**, Department of Neurobiology, Louisville, KY, **USA.**

March 2005-Jan 2007 **Senior Research Fellow**, Department of Biochemical Pharmacology in Defense Research Development Organization, New Delhi, **INDIA**

Feb 2003-Feb 2005 **Junior Research Fellow**, Department of Biochemical Pharmacology in Defense Research Development Organization, New Delhi, **INDIA**

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EDUCATION

- 2006** **Ph.D. in Toxicology** from Department of Medical Elementology and Toxicology, Jamia Hamdard (Hamdard University), New Delhi, India
- 2002** **M.Sc. in Toxicology (Gold Medalist)** from Department of Medical Elementology and Toxicology, Jamia Hamdard (Hamdard University), New Delhi, India.
- 2000** **B.Sc. (Zoology, Botany and Chemistry)** from Delhi University, Delhi, India

AWARDS

- **Appreciation award by Dr. Naifa Alatawi (Vice-Dean) for winning ALmoltaqa (Student 6th scientific forum , April 2016).**
- Student Received second position in ALmoltaqa (Student 6th scientific forum , April 2016).
- **Appreciation award by Dr. Naifa Alatawi (Vice-Dean) for faculty members at Mehrajan Campus, University of Tabuk, June, 2015, Saudi Arabia.**
- **Appreciation award by Dr. Naifa Alatawi (Vice-Dean) for faculty members at Mehrajan Campus, University of Tabuk, 02nd June, 2014, Saudi Arabia.**
- **Travel grant award by University of Louisville** for attending the meeting of the Society of Neuroscience in San Diego, CA, USA, Nov 3rd-7th 2007.
- **Junior Toxicologist Fellowship** awarded by International Union of Toxicology (IUTOX) for attending EUROTOX- 2006/6th CTDC Congress in **Croatia**.
- **Travel grant award by INSA** (Indian National Science Academy) for attending EUROTOX- 2006/6th CTDC Congress in **Croatia**.
- **M.Sc Gold Medalist** (Toxicology), Hamdard University, Delhi, **India**, (2000-2002).
- **Junior Research Fellowship** awarded by Defence Research and Development Organization, Ministry of Defense, **India** (Feb 2003-Feb 2005).
- **Senior Research Fellowship** awarded by Defence Research and Development Organization, Ministry of Defense, **India** (March 2005-Jan 2007).

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ACADEMIC TASKS (DEPARTMENT OF BIOLOGY)

1. General Biology 2 (BIO 202; level 4)
 2. Biophysics (BIO 310; level 5)
 3. General Zoology-1 (BIO 251; level 4)
 4. Bioenergetics (BIOC-304; level 8)
 5. Cell Biology, (BIO-222; level 4)
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6. General Physiology (BIO 401; level 7)
7. General Zoology-2 (BIO 351; level 5)
8. Immunology (BIO 430; level 7)

WORKSHOPS/SEMINARS ORGANIZED AND ATTENDED

1. Organized a seminar on “**Basic Energy Sciences to Nanotechnology: Building a new paradigm**” at Girls Science College, University of Tabuk on 9th December 2014. Tabuk, **Saudi Arabia**.
2. Attended the workshop on-"**Accreditation Parameters**", at Girls Science College, University of Tabuk on 10th December 2014. Tabuk, **Saudi Arabia**.
3. Attended the workshop on "**Marine Invertebrates of Red Sea**" . at Girls Science College, University of Tabuk on 15th December 2014. Tabuk, **Saudi Arabia**.
4. Attended the 29th meeting of the Saudi Biological Society (Environmental and Development in the Gulf Region), 25-26th February, 2014, Saudi Arabia.
5. Attended the workshop entitled “**How to publish a research paper in a classified nternational journals**” organized by the Deanship of Scientific Research, 09th April, 2014, Saudi Arabia
6. Attended the workshop organized by University of Tabuk in Hotel Sahara, about the use of Saudi Digital Library (SDL) in conjunction with the Arab regimes, (Scopus-Science direct-Elsevier-SAGE-Mendely), 6-7th April, 2014 , Saudi Arabia
7. Attended the workshop by Dr. Shaimaa Khairy on Biosafety in microbiological laboratories at Mehrajan Campus, University of Tabuk 16th April, 2014, Saudi Arabia.
8. Workshop organized and conducted by Dr. Shalini Saggi on Webpage Construction for all the faculty members at Mehrajan Campus, University of Tabuk, 16th April, 2014, Saudi Arabia.

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9. Attended the workshop on "**World Tuberculosis Day**" at Girls Science College, University of Tabuk on 31st March 2014. Tabuk, **Saudi Arabia**.

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DEPARTMENT OF BIOLOGY SERVICES

- **Member of Research and Seminars Committee**, Faculty of Sciences, Female Section, University of Tabuk, **Saudi Arabia**
- **Member Measurement and Evaluation unit**, Department of Biology, University of Tabuk, **Saudi Arabia.**
- **Co-Ordinator of Website Committee**, Department of Biology, University of Tabuk, Saudi Arabia

TRAINING UNDERTAKEN

- Underwent summer training from June 2002 to August 2002 in “**Central Pollution Control Board (CPCB)**” of India. The topic of the project was “**Phytoremediation - A low cost method for waste water treatment of Wazirabad in New Delhi, India**”.
- Underwent one month training in **Electron Microscopy**, at Department of Anatomy, **All India Institute of Medical Sciences, New Delhi, India..**

RESEARCH GRANT

- Research Grant S-1437 from Deanship of Scientific Research, University of Tabuk, Tabuk, Saudi Arabia 2015-2016
- Research Grant S-1436-0010; from Deanship of Scientific Research, University of Tabuk, Tabuk, Saudi Arabia 2015-2016
- Worked as a consultant in the research project, the funding awarded by **Deanship of Scientific Research, University of Tabuk** (Ministry of Higher Education) on **Pyrethroids and their Immunotoxic effects in mice.**

MEMBERSHIP

- **Member (Life-time):** Society of Toxicology (SOT) of **India.**
- **Member:** The Society for the Study of Ingestive Behavior, (SSIB) 2007-2008.
- **Member:**Society of Neuroscience, (SFN), **USA.** 2007-2009 and 2011-2012
- **Member:**Society of Toxicology, **USA.**
- **Member:** Saudi Biological Society, **KSA**

AD-HOC REVIEWER

- Food and Chemical Toxicology,
- Saudi Society of Biological Sciences
- Toxicology,

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- Cell Biochemistry and Function,
- Molecules,
- Pharmaceutical Biology,
- Evidence based Complementary and alternative medicine,
- African journal of Biotechnology,
- Journal of Medicinal Plants Research,
- Pakistan Journal of Scientific and Industrial Research,
- Journal of Pharmacy and Pharmacology.
- Molecules

GRANT REVIEWER

- Adhoc-grant reviewer of **King Abdulaziz City for Science and Technology** (KACST), Saudi Arabia.

PUBLICATIONS (IN CHRONOLOGICAL ORDER):

h-index (14); Citation: 511 (August 2017) (Scopus and Google Scholar)

S.No.	Publications on behalf of University of Tabuk	Impact Factor
1.	Shalini Saggi , Al Thbiani Aziz, Hasibur Rehman, Nahla Zidan, Fahad Alzuiber, Chellasamy Pannerselvam, Subrata Trivedi, Atif Abdulwahab A. Oyon Cymbopogon schoenanthus (Ethkher) ameliorates cadmium induced toxicity in Swiss albino mice. Saudi Journal of Biological Sciences (Accepted) 2017.	1.876
2.	Hasibur Rehman, Aziz Al Thbiani, Saggi Shalini , Vanwert Adam, Zedan Nahla, Saggi Sundeep. Additive toxic effect of deltamethrin and cadmium on hepatic, hematological, and immunological parameters in mice. Toxicology and Industrial Health (Accepted) 2017.	1.678
3.	Alaa S. Alsobhi ¹ , Al Thbiani Aziz ¹ , Kh. M. Al-Ghamdi ¹ , Jazem A. Mahyoub, Najat A. Khatter, Shalini Saggi , Hasibur Rehman, Chellasamy Panneerselvam, Kadarkarai Murugan, Marcello Nicoletti, Angelo Canale, Giovanni Benelli. Slow release formulations of Bacillus thuringiensis israelensis (AM 65-52) and spinosyns: effectiveness against the West Nile vector Culex pipiens in Saudi Arabia. Asian Pacific Journal of Tropical Disease. 2016; Volume 6, Issue 7, 533–538.	0.726
4.	Shalini Saggi , Hasibur Rehman, Fahad M.A.Alzeibr, Al Thbiani Aziz. Current situation of pesticide consumption and poisoning in Saudi Arabia. J. of Entomology and Zoology Studies. 2016; 4(3): 153-158. 2320-7078.	SCI
5.	Al Thbiani Aziz, Jazem Abdullah Mahyoub, Hasibur Rehman, Shalini Saggi , Kadarkarai Murugan, Chellasamy Panneerselvam, Marcello Nicoletti, Hui Wei, Angelo Canale, Giovanni Benelli. Insecticide susceptibility in larval populations of the West Nile vector <i>Culex pipiens</i> L. (Diptera: Culicidae) in Saudi Arabia. Asian Pac J Trop Biomed 2016; 6(4):	1.062

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6.	Saeed Dastgiri and <u>Shalini Saggu</u> . Frequency, Incidence and Prevalence. Saudi Medical Journal 2016 ; Vol 37(3), 329.	0.588
7.	Subrata Trivedi, Abdulhadi A Aloufi, Hasibur Rehman, <u>Shalini Saggu</u> , Sankar K Ghosh. DNA barcoding: Tool for assessing species identification in Reptilia. <i>Journal of Entomology and Zoology Studies</i> 2016 , 4(1):332-337	ISI
8.	ZK Abbas, <u>Shalini Saggu</u> , Hasibur Rehman, A. AlThbiani, AA Ansari. Ecological variations and role of heat shock protein in <i>Artimisia judiaca</i> L. in response to temperature regimes of Tabuk, Saudi Arabia. Saudi Journal of Biological Sciences. 2016 .(Online).	1.7
9.	A.A. Ansari, S Al Ghanim, S Trivedi, Hasibur Rehman, ZK Abbas, <u>Shalini Saggu</u> . Seasonal dynamics in the trophic status of water, floral and faunal density along some selected coastal areas of the Red Sea, Tabuk, Saudi Arabia. <i>International Aquatic Research</i> , 2015 , 7 (4), 337-348.	ISI
10.	<u>Shalini Saggu</u> , Hasibur Rehman, Zahid Khorshid Abbas, Abid A. Ansari. Recent incidence and descriptive epidemiological survey of breast cancer in Saudi Arabia. <i>Saudi Med J</i> 2015 ; Vol. 36 (10): 1176-1180.	0.6
11.	Hasibur Rehman, Al Thbiani Aziz, <u>Shalini Saggu</u> , Zahid Khorshid Abbas, Anand Mohan, Abid A. Ansari. Systematic review on pyrethroid toxicity with special reference to deltamethrin. 2014 ; 2 (6): 60-70. ISSN: 2320-7078. J. of Entomology and Zoology Studies.	SCI
12.	Abid A. Ansari, Zahid Khorshid Abbas, <u>Shalini Saggu</u> , Hasibur Rehman . Growth responses of <i>Lavandula pubescens</i> to temperature regimes of Tabuk, Saudi Arabia. 2014 ; 2(6): 38-41. J. of Medicinal Plant and Studies.	None
13.	Abid A. Ansari, Subrata Trivedi, <u>Shalini Saggu</u> , Hasibur Rehman. Mudskipper: A biological indicator for environmental Monitoring and assessment of coastal waters. 2014 ; 2 (6): 22-33. ISSN: 2320-7078. J. of Entomology and Zoology Studies.	ISI
14.	Zahid Khorshid Abbas, <u>Shalini Saggu</u> , M.I.Sakran, Nahla Zidan, Hasibur Rehman, Abid A. Ansari. Phytochemical, antioxidant and mineral composition of hydroalcoholic extract of chicory (<i>Cichorium intybus</i> L.) leaves. J. of Saudi Biological Sciences. 2015 May; 22(3):322-6.	1.257
15.	<u>Shalini Saggu</u> , M.I.Sakran, Nahla Zidan, Ehab Toussan, Ananad Mohan, Hasibur Rehman . Ameliorating effect of Chicory (<i>Cichorium intybus</i> L.) fruit extract against 4-tert-octylphenol induced liver injury and oxidative stress in male rats. Food and Chemical Toxicology (2014) , DOI: 10.1016/j.fct.2014.06.029.	2.895
16.	Mohamed I. Sakeran; <u>Shalini Saggu</u> ; Rehman H; Al Thbiani Aziz; Nahla Zidan Abrogation by <i>Trifolium alexandrinum</i> root extract on hepatotoxicity induced by acetaminophen in rats Redox Report. 2014 , 19, 26-33.	1.521

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	Authors, Titles and Journals from other affiliations	
17.	Saggu S , Hung HI, Quiogue G, Lemasters JJ, Nieminen AL. Lysosomal signaling enhances mitochondria-mediated photodynamic therapy in A431 cancer cells: role of iron. Photochem Photobiol. 2012 Mar-Apr;88(2):461-8.	2.679
18.	Geraldine Quiogue, Shalini Saggu , Hsin-I Hung, Malcolm E.Kenney, Nancy L. Oleinick, John J. Lemasters, Anna-Liisa Nieminen. Signaling from lysosomes enhances mitochondria- mediated photodynamic therapy in cancer cells Proc Soc Photo Opt Instrum Eng. 2009 Jul 12; 7380(73800C):1-8.	
19.	Panguluri S, Saggu S , Lundy R. Comparison of somatostatin and corticotrophin-releasing hormone immunoreactivity in forebrain neurons projecting to taste-responsive and non- responsive regions of the parabrachial nucleus in rat. Brain Research. 2009; 1298: 57-69.	2.623
20.	Saggu S , Lundy RF. Forebrain neurons that project to the gustatory parabrachial nucleus in rat lack glutamic acid decarboxylase. Am J Physiol Regul Integr Comp Physiol. 2008; 294(1):R52-7.	3.284
21.	Saggu S , Kumar R. Effect of seabuckthorn (Hippophae rhamnoides) leaf aqueous and ethanol extracts on avoidance learning during stressful endurance performance of rats: a dose dependent study. Phytother Res. 2008; 22(9):1183-7.	1.878
22.	Saggu S , Kumar R. Effect of seabuckthorn leaf extracts on circulating energy fuels, lipid peroxidation and antioxidant parameters in rats during exposure to cold, hypoxia and restraint (C-H-R) stress and post stress recovery. Phytomedicine. 2008;15(6-7):437-46.	2.662
23.	Gupta V, Saggu S , Tulsawani RK, Sawhney RC, Kumar R. A dose dependent adaptogenic and safety evaluation of Rhodiola imbricata Edgew, a high altitude rhizome. Food Chem Toxicol. 2008 ;46(5):1645-52.	3.025
24.	Saggu S , Kumar R. Modulatory effect of seabuckthorn leaf extract on oxidative stress parameters in rats during exposure to cold, hypoxia and restraint (C-H-R) stress and post stress recovery. J Pharm Pharmacol. 2007;59(12):1739-45.	1.918
25.	Saggu S , Kumar R. Possible mechanism of adaptogenic activity of seabuckthorn (Hippophae rhamnoides) during exposure to cold, hypoxia and restraint (C-H-R) stress induced hypothermia and post stress recovery in rats. Food Chem Toxicol. 2007;45(12):2426-33.	3.025
26.	Saggu S , Divekar HM, Gupta V, Sawhney RC, Banerjee PK, Kumar R. Adaptogenic and safety evaluation of seabuckthorn (Hippophae rhamnoides) leaf extract: a dose dependent study. Food Chem Toxicol. 2007; 45(4):609-17.	3.025

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27.	Saggu S , Gupta V, Sawhney RC, Banerjee PK, Kumar R. Analysis of heavy metals in herbal extracts of high altitude growing plants. <i>Toxicol Int.</i> 2006; 13: 111-117.	0.05
28.	Gupta V, Gupta A, Saggu S , Divekar HM, Grover SK, Kumar R. Anti-stress and Adaptogenic Activity of l-Arginine Supplementation. Evid Based Complement Alternat Med. 2005; 2(1):93-97.	2.964

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ABSTRACTS (IN CHRONOLOGICAL ORDER)

1. **Shalini Saggu**, Hasibur Rehman, Aziz Al Thabiani. **Assessment and authentication of seafood through DNA barcoding**. SOT 56th Annual Meeting, Baltimore, MD. USA March 13-17, 2017.
2. Hasibur Rehman, Aziz Al Thabiani, **Shalini Saggu**, Adam L. VanWert, Nahla Zidan, Sundeep Saggu. **Combined effect of deltamethrin and cadmium on hepatic, hematological, and immunological parameters in mice**. SOT 56th Annual Meeting, Baltimore, MD. USA March 13-17, 2017.
3. **Shalini Saggu**, Hasibur Rehman. Modulatory role of Cymbopogon schoenanthus extract on Cd-induced hematological alterations in Swiss albino mice, S223, Abstracts / Toxicology Letters 258S (2016) S62–S324, P13-013. Toxicology Letters Volume 258, Supplement, Pages S1-S324 (16 September 2016) Abstracts of the 52nd Congress of the European Societies of Toxicology (EUROTOX) Fibes Congress Center Seville, Spain, 04th-07th September 2016.
4. Hasibur Rehman, **Shalini Saggu**. Situation of pesticide consumption and poisoning in Saudi Arabia, S217, Abstracts / Toxicology Letters 258S (2016) S62–S324, P12-039. Toxicology Letters Volume 258, Supplement, Pages S1-S324 (16 September 2016) Abstracts of the 52nd Congress of the European Societies of Toxicology (EUROTOX) Fibes Congress Center Seville, Spain, 04th-07th September 2016.
5. **Shalini Saggu**, Hasibur Rehman, Al Thabiany Aziz. Assessment and authentication of seafood through DNA barcoding. 56th Annual Meeting, Baltimore, MD. USA March 13-17, 2017.
6. Hasibur Rehman, Al Thabiany Aziz, **Shalini Saggu**, Adam L. VanWert, Nahla Zidan, Sundeep Saggu. Combined effect of deltamethrin and cadmium on hepatic, hematological, and immunological parameters in mice. 56th Annual Meeting, Baltimore, MD. USA March 13-17, 2017.
7. Hasibur Rehman, Zahid Khorshid Abbas, **Shalini Saggu**, Al Thabiany Aziz, Nahla Zidan. Modulatory Role of Ocimum basilicum (Al-Rehan) leaves against 4-tert-Octyl Phenol induced oxidative stress in rats. 56th Annual Meeting, Baltimore, MD. USA March 13-17, 2017.
8. **Shalini Saggu**, Hasibur Rehman, Atif Abdulwahab A. Oyouni. Pattern of breast cancer in Saudi Arabia. 56th Annual Meeting, Baltimore, MD. USA March 13-17, 2017.
9. Zahid Khorshid Abbas, **Shalini Saggu**, Hasibur Rehman, Abid A. Ansari. Ecological variations and role of heat shock protein in *Artemisia judiaca* in response to temperature regimes of Tabuk, Saudi Arabia. Plant Biology **2015**, Minnesota, USA.
10. **Shalini Saggu** and Ratan Kumar. Modulatory effect of seabuckthorn leaf extracts on oxidative stress parameters in rats during exposure to cold, hypoxia and restraint stress

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and post stress recovery. Conference held in December 8-12, **2013** at Miri, Sarawak, Malaysia. The title of the conference was 5th Global summit on Medicinal and Aromatic Plants.

11. Mohamed I. Sakeran; Nahla Zidan; **Shalini Saggi**; Hasibur Rehman. Modulatory effect of Chicory fruits and leaves against 4-tert-octylphenol induced liver injury and oxidative stress in rats. Conference held in December 8-12, **2013** at Miri, Sarawak, Malaysia. The title of the conference was 5th Global summit on Medicinal and Aromatic Plants.
12. **Shalini Saggi**, Hasibur Rehman; Ratan Kumar “Adaptogenic activity of seabuckthorn on cognitive functions and endurance performance” published in the abstract book (page 127). Conference held in June 30- July 4, **2013** at Coex, Seoul, South Korea. The title of the conference was **THE XIII INTERNATIONAL CONGRESS OF TOXICOLOGY**.
13. Rehman H, Qinlong Liu, , Yasodha Krishnasamy, Khujista Haque, **Shalini Saggi**, John J. Lemasters, Charles D. Smith, Zhi Zhong. Role of Sphingosine Kinase-2 in Acetaminophen-Induced Liver Injury. **Digestive Disease Week 2012** held at San Diego, USA. **Gastroenterology**, Volume 142, Issue 5, Supplement 1, May **2012**, Page S-911. **2010 impact factor 14.5***
14. **Shalini Saggi**, Ty Cannon, J. David Jentsch, Antonieta Lavin. Deficits in vVesicle Priming Underlie decreases in Glutamate Release in Dysbindin-Mutant Mice. *Neuropsychopharmacology*, Dec 2011; 36 (Supplement 1s) ACNP 50th Annual Meeting: S1 - S504. **2010 impact factor 6.685***
15. T. Tompa, J. Dilgen, **Saggi S**, A. Lavin. Acute cocaine affects inhibitory activity in prefrontal cortex: Optogenetic studies and pharmacological investigation in Society of Neuroscience meeting held at Washington, DC, 2011 (2011-S-6553-SfN).
16. **Saggi S** and A. Lavin. Role of dysbindin in t and v snares sorting machinery in schizophrenia. in Society of Neuroscience meeting held at Washington, DC, 2011.
17. **Shalini Saggi**, Geraldine Quiogue, Hsin-I Hung, John J. Lemasters, and Anna-Liisa Nieminen. Lysosomal iron release enhances cell killing after photodynamic therapy mediated by a mitochondria-targeted photosensitizer in cancer cells in Society of Toxicology meeting held at Salt Lake city, Utah, 2010.
18. **Shalini Saggi**, Geraldine Quiogue, Hsin-I Hung, John J. Lemasters, and Anna-Liisa Nieminen. Lysosomal Iron Release Enhances cell killing after Photodynamic Therapy Mediated By a Mitochondria-Targeted Photosensitizer in Cancer Cells in **Charleston Conference on Mitochondrial Physiology and Pathology** at Wild Dunes Resort, Isle of Palms, SC, **November 15-18, 2009**, page-51. (Also presented at Hollings Cancer Center (NCI designated institute) 9th Annual Research Retreat, Omar Shrine Convention Centre, Charleston, SC, **November 20, 2009**, page- 78.

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19. **Shalini Saggu**, Geraldine Quiogue, Hsin-I Hung, John J. Lemasters, and Anna-Liisa Nieminen. Mitochondria-mediated photodynamic therapy in A431 cancer cells is enhanced by lysosomal signaling in **First Annual South Carolina College of Pharmacy (SCCP) Research Symposium**, Pharmaceutical and Biomedical Sciences Department, **October 9th, 2009**, page-29.
20. **Shalini Saggu** and Lundy RF. Somatostatin and corticotrophin releasing factor localization in forebrain neurons projecting to parabrachial nucleus in 16th Annual Meeting of the Society for the study of ingestive behavior, **July 15-19, 2008, Paris, France**.
21. **Shalini Saggu** and Lundy RF. Glutamic Acid Decarboxylase-67 Lack in Forebrain Neurons that Project to the Gustatory Parabrachial Nucleus. **Research at Louisville, October 16 - 19, 2007, Louisville, KY**.
22. **Shalini Saggu** and Lundy RF. Neuropeptide expression in forebrain neurons that project to parabrachial nucleus, **Neuroscience 2007, San Diego, CA**, Nov 3rd-7th.
23. **Shalini Saggu**, Harish Madan Divekar, Ramesh Chand Sawhney, Vanita Gupta, Pratul Kumar Banerjee and Ratan Kumar. Adaptogenic and toxicity evaluation of Sea buckthorn (*Hippophae rhamnoides*) leaf extract: A dose dependent study. **Toxicology Letters**, Volume 164, Supplement 1, 20 **September 2006**, Page S196. (**Impact Factor-3.581**).
24. **Saggu S.**, M. Divekar., V.Gupta., R.C.Sawhney.,P.K.Banerjee.,R.Kumar. Adaptogenic and Acute -Toxicity Studies of Sea buckthorn (*Hippophae rhamnoides*) Leaf Aqueous Extract. International Conference on Toxicology, Environmental and Occupational Health held in Nov at Industrial Toxicological Research Centre, pg.22. Lucknow, India, 2005.
25. Gupta V., **Saggu S.**, Gupta A., Divekar H.M., Grover S.K., Kumar R. Anti-stress and Adaptogenic activity of L-Arginine Supplementation. Indo-UK Seminar, Biomarkers of Ecotoxicity, Cancer, Monitoring and Prevention, Jamia Hamdard, **Delhi, India, Aug 2004**, pg- 25.
26. **Shalini Saggu.**, H. Rehman., H. A Khan., C. S. Sharma. Phytoremediation - A low cost method for waste water treatment of Wazirabad. National Symposium on Environmental Pollution. XXII Annual Conference of Society of Toxicology, Madras Veterinary College, **Chennai, India**, 20th November to 22nd November, **2003**, pg-35.

BOOK CHAPTERS

1. Farhina Pasha, **Shalini Saggu** and Maryam Fahad Albalawi (2016). Future Perspectives of DNA Barcoding in Marine Zooplanktons and Invertebrates. Springer International Publishing Switzerland (Accepted, In press).
2. Pradosh Mahadani, Subrata Trivedi, Hasibur Rehman and **Shalini Saggu** (2016). Bioinformatics Tools in Marine DNA Barcoding. DNA Barcoding in Marine Perspectives. Springer International Publishing Switzerland (Accepted, In press).

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3. Subrata Trivedi, Hasibur Rehman, **Shalini Saggu**, Chellasamy Panneerselvam, Zahid Khorshid Abbas, Iqbal Ahmad, Abid A. Ansari and Sankar K. Ghosh (2016). DNA Barcoding in the Marine Habitat: An Overview. DNA Barcoding in Marine Perspectives. Springer International Publishing Switzerland (Accepted, In press).
4. **Shalini Saggu**, Hasibur Rehman, Subrata Trivedi, Al Thbiani Aziz and Jayda G. Eldiasty (2016). Safety Assessment and Authentication of Seafood Through DNA Barcoding. DNA Barcoding in Marine Perspectives. Springer International Publishing Switzerland (Accepted, In press).
5. Anand Mohan, Madhuri Girdhar, Hasibur Rehman, Anil Kumar, **Shalini Saggu**, Abid A. Ansari (2015) Metal accumulation capability of Weeds and their utilization in Phytoremediation technology. Phytoremediation: Management of Environmental Contaminants Volume-2, Springer, New York, USA, Chapter No.28. <http://www.springer.com/life+sciences/ecology/book/978-3-319-10968-8>
6. Abid Ali Ansari, Zahid Khorshid Abbas, Subrata Trivedi, Hasibur Rehman, **Shalini Saggu**, Mohammed M Moawed, Anand Mohan, Sarvajeet Singh Gill (2016) Aquatic Plant Biodiversity: A Biological Indicator for the Monitoring and Assessment of Water Quality. In: Plant Biodiversity: Monitoring, Assessment and Conservation, CABI Publications, UK (In press).
7. Trivedi S, Ansari A.A, Hasibur Rehman, **Shalini Saggu**, Abbas Z.K and Ghosh SK. (2016) DNA Barcoding as a molecular tool for the assessment of plant biodiversity. (In: Ansari A.A., Gill S.S., (eds.) Plant Biodiversity: Monitoring Assessment and Conservation. CABI Publications, UK. (In press).
8. **Shalini Saggu**; Madeha Ghobashy; Mohammed Helal (2013) New era in recovery of bacterial pathogenicity. Pages: 557-561. Microbial pathogens and strategies for combating them: science, technology and education (A. Méndez-Vilas, Ed.), Formatex Publisher, Spain.
9. **Saggu S** and Kumar R (2009) Stress management and Herbal adaptogens, Chapter 19, pg 37-55 Studium Press LLC (USA). Recent Progress in Medicinal Plants (RPMP) Vol. 25 -Chemistry and Medicinal Value.
10. Kumar R, **Saggu S** (2006), Adaptogens in High Altitude Stress Management; pp 409-41. In Herbal Drug Research: 21st Century Perspective (eds.R. Arora., R. K Sharma), Jaypee Publications India.

ADDITIONAL QUALIFICATIONS

- Experience in data acquisition, analysis and presentation.
- Handling of computers and proficiency in various software packages (MS office, Chem. Draw, End-note, Chem. Web, Image J, Zeiss LSM 510, Olympus FV 510, Adobe Photoshop, CorelDraw, IP Lab, Multivariate statistics (Prism, Sigma Plot, Sigma Stat etc.) & internet technology.
- Presented poster, delivered oral presentation at various national and international conferences.

