

# GLOBAL CONFERENCE ON ENTOMOLOGY – 2011

March 5 – 9, 2011 Chiang Mai, Thailand.

## SCIENTIFIC PROGRAMME

**5<sup>th</sup> March 2011**      **Registration**      15.00 – 19.00 hrs

**6<sup>th</sup> March 2011**

**Inauguration of the Conference**      09:00-10:00

**Key Note Address:**      **Prof. Michael J. Samways**      10:00-10:30  
Stellenbosch University, South Africa

*“DESIGNING FUTURE LANDSCAPES FOR CONSERVATION”*      1

**Coffee break**      10:30-11:00

**Plenary Lecture I:**      **Dr. M. Eric Benbow**      11:00-11:30  
University of Dayton, USA

*“BLOW FLIES, BACTERIA AND INTER-KINGDOM ECOLOGICAL INTERACTIONS DURING DECOMPOSITION”*      2

**Plenary Lecture II:**      **Prof. Siritwat Wongsiri**      11:30-12:00  
Maejo University, Chiang Mai, Thailand

*“CLIMATIC CHANGE EFFECTS ON ASIAN HONEY BEES AND BEEKEEPING”*      3

**Plenary Lecture III:**      **Prof. Boris R. Krasnov**      12:00-12:30  
Ben-Gurion University of the Negev, Israel

*“SEARCHING FOR GENERAL RULES IN THE ECOLOGY OF HAEMATOPHAGOUS ARTHROPODS”*      4

**LUNCH**      12:30-13:30

**CONCURRENT SESSIONS**      13:30-17:15

**6<sup>th</sup> March, 2011**

**CONFERENCE HALL 1**

### TECHNICAL SESSION I- AGRICULTURAL ENTOMOLOGY (I)

#### ORAL PRESENTATION

13:30-13:45	OS 1	Sweetpotato volatile chemistry after herbivory by African Sweetpotato weevils ( <i>Cylas puncticollis</i> and <i>brunneus</i> ) (Coleoptera: Curculionidae) <b>A.M Otema (Uganda)</b>	<b>5</b>
13:45-14:00	OS 2	Development and use of multiple insecticide resistant strain of <i>Trichogramma chilonis</i> Ishii for the management of <i>Helicoverpa armigera</i> (Hübner) on tomato in India <b>S. K. Jalali (India)</b>	<b>6</b>
14:00-14:15	OS 3	Development of pesticide tolerant <i>Chrysoperla zastrowi arabica</i> Henry <i>et al.</i> and their efficacy against sucking pests of cotton <b>T. Venkatesan (India)</b>	<b>7</b>

14:15-14:30	OS 4	Field evaluation of GF-120 to control <i>Ceratites capitata</i> (wiedemann) in Iraq. <b>Mohammed Ali Hussain (Iraq)</b>	8
14:30-14:45	OS 5	Ecological studies on <i>Trichoferus griseus</i> (F.) (Coleoptera: Cerambycidae) in Al-Bottnan region, Libya. <b>Ibrahim M. El-Ghariani (Libya)</b>	9
14:45-15:00	OS 6	Cost-benefit ratio analysis of resistant cowpea cultivars under insecticide applications <b>Alabi, O.Y (Nigeria)</b>	10
15:00-15:15	OS 7	Role of secondary plant metabolites from cowpea ( <i>Vigna unguiculata</i> [L.] Walp.) floral structures in resistance to the Flower Bud Thrips, <i>Megalurothrips sjostedti</i> (Trybom) <b>Alabi, O.Y. (Nigeria)</b>	11
15:15-15:30	OS 8	The development of early monitoring tools for the obscure mealybug <i>Pseudococcus viburni</i> (signoret) (Hemiptera: Pseudococcidae) using pheromone-baited traps. <b>Pride Mudavanhu (South Africa)</b>	12
15:30-15:45	OS 9	Investigation on the most appropriate pattern, sample unit and sample universe to estimate <i>Tetranychus urticae</i> Koch population in common bean, <i>Phaseolus vulgaris</i> fields. <b>Abolfathi, N (Iran)</b>	13
15:45-16:00	OS 10	Investigation of Mulches' effect on Silverleaf whitefly, <i>Bemisia argentifolii</i> Bellows and Perring (Hem.: Aleyrodidae) Agronomic Control <b>M. Zarabi (Iran)</b>	14
16:00-16:15	<b>COFFEE BREAK</b>		
16:15-16:30	OS 11	Biology of <i>Rhopalosiphum padi</i> (L.) (Hemiptera: Aphididae) on barley, <i>Hordeum vulgare</i> L. <b>Karami, L (Iran)</b>	15
16:30-16:45	OS 12	Mealy bug : An emerging pest of Bt cotton <b>P.R Zanwar (India)</b>	16
17:00-17:15	OS 13	Effect of ecological factors on the hopper duration and fecundity of agriculturally important Acridoids <b>S.M.A. Badruddin (India)</b>	17

## SESSION I-AGRICULTURAL ENTOMOLOGY

### POSTER PRESENTATION

TIME: 17:30-18:30 Hours

PS 1	Evaluation of Host Correlated Morphological Variation in Silverleaf Whitefly, <i>Bemisia argentifolii</i> Bellows and Perring (Hemiptera;Aleyrodidae) <b>M. Zarrabi (Iran)</b>	18
PS 2	Population Dynamics of <i>Haplothrips ganglebaueri</i> Schmutz (Thysanoptera: Phlaeothripidae) on wheat in south-west of Iran <b>Leila Ramezani (Iran)</b>	19
PS 3	Demography of the bird cherry oat aphid, <i>Rhopalosiphum padi</i> (Hemiptera: Aphididae) at different temperatures <b>Karami, L. (Iran)</b>	20
PS 4	The effect of leaves N, P and K of castor bean <i>Recinus communis</i> leaves on <i>Empoasca</i> sp. out break in Dezful (Khouzestan; Iran) <b>Rouhollah Radjabi (Iran)</b>	21
PS 5	Study on biology of the sugarcane whitefly, <i>Neomaskellia andropogonis</i> Corbett (Hom., Aleyrodidae) in field conditions in Khuzestan/Iran <b>A. Askarianzadeh (Iran)</b>	22
PS 6	Occurrence of aphid predators in Belgian agro-ecosystems <b>Pascal D. Leroy (Belgium)</b>	23

PS 7	Distribution of main bluetongue virus vectors on Belgium farms <b>Pascal D. Leroy (Belgium)</b>	<b>24</b>
PS 8	Population dynamics of <i>Oryctes agamemnon arabicus</i> and effect of light color on light-trap effectiveness <b>Mohammad Ali Al-Deeb (UAE)</b>	<b>25</b>
PS 9	Deltamethrin and Chlorpyrifos post harvest period in greenhouse tomatoes with the Solid Phase Extraction (SPE) and determination with GC, GC/MS, HPLC <b>Mohammadi shahrzad (Iran)</b>	<b>26</b>
PS 10	Functional response of <i>Trichogramma brassicae</i> to different densities of, <i>Ectomyelois ceratoniae</i> Zeller (Lep : Pyralidae ) under laboratory conditions. <b>M. Khalilipour (Iran)</b>	<b>27</b>
PS 11	Demography of lady beetle <i>Hippodamia variegata</i> with feeding wheat green aphid <i>Schizaphis graminum</i> , under laboratory conditions. <b>Mehdi Mollashahi (Iran)</b>	<b>28</b>
PS 12	First report of <i>Aphytis proclia</i> (Walker) (Hymenoptera: Aphelinidae) on <i>Pulvinaria floccifera</i> (Westwood) (Homoptera: Coccidae) in the tea gardens of Iran <b>Sakineh Naiemamini (Iran)</b>	<b>29</b>
PS 13	The Relationship between population density of <i>Pulvinaria floccifera</i> (Westwood) (Homoptera: Coccidae) and average temperature in the plain and hilly tea gardens of Iran <b>Sakineh Naiemamini (Iran)</b>	<b>30</b>
PS 14	Effect of host plant on the functional response of <i>Adalia bipunctata</i> to <i>Myzus persicae</i> <b>Mohammad Amin Jalali (Iran)</b>	<b>31</b>
PS 15	Biology of fungus gnat, <i>Lycoriella auripila</i> (Dip., Sciaridae), on button mushroom under laboratory conditions <b>Vafaei Shoushtari, R (Iran)</b>	<b>32</b>
PS 16	Evaluation infestation level of tomato and bean to <i>Helicoverpa armigera</i> (Hubner)(Lep.: Noctuidea) <b>Zarir Saeidi (Iran)</b>	<b>33</b>
PS 17	Evaluation new acaricides in control of sugarcane yellow mite ( <i>Oligonychus sacchari</i> McGroger) (Acari: Tetranychidae) and effect on <i>Stethorus punctillum</i> Weise in south western part of Iran <b>Amin Nikpay (Iran)</b>	<b>34</b>
PS 18	Effect of cultivar and salt stress on wheat aphid( <i>Schizaphis graminium</i> ) population changes. <b>M. Mollashahi (Iran)</b>	<b>35</b>
PS 19	On the incubation period and hatching of eggs of <i>Acrida exaltata</i> WALKER (Orthoptera: Acrididae) <b>TARIQ AHMAD (INDIA)</b>	<b>36</b>
PS 20	Foraging flexibility in two populations of <i>Phytoseiulus persimilis</i> Athias- Henriot (Acari: Phytoseiidae) receiving SIPV from bean and cucumber leaves <b>Helen mohammadi (Iran)</b>	<b>37</b>
PS 21	Effect of different host- plants on the used energy pattern of cotton aphid, <i>Aphis gossypii</i> Glover (Hemiptera: Aphididae)with different susceptibility to imidacloprid <b>Shadieh Gerami (Iran)</b>	<b>38</b>
PS 22	Insecticidal activity of <i>Carum copticum</i> L. and <i>Cuminum cyminum</i> L. against <i>Tribolium confusum</i> (Jacquelin du Val.) <b>Masumeh Ziaee (Iran)</b>	<b>39</b>
PS 23	Effect of ampicilin and rifampicin on the survival of cotton aphid, <i>Aphis gossypii</i> Glover (Hemiptera: Aphididae) <b>Shadieh Gerami (Iran)</b>	<b>40</b>
PS 24	Feeding indices of the cotton bollworm, <i>Helicoverpa armigera</i> (Hübner) (Lepidoptera: Noctuidae) on seed of five different maize hybrids <b>Akram Arghand (Iran)</b>	<b>41</b>
PS 25	Effect of different host plants on feeding performance of <i>Helicoverpa armigera</i> (Hübner) (Lepidoptera: Noctuidae) - <b>Ali Hemmati, (Iran)</b>	<b>42</b>

PS 26	Damage Assessment of <i>Aceria oleae</i> (Acari: Eriophyidae) on Different Olive Varieties under Greenhouse Conditions <b>Elham Shole-Sadi (Iran)</b>	<b>43</b>
PS 27	Development and Fecundity of <i>Sitobion avenae</i> (Hemiptera: Aphididae) on Some Wheat varieties under Laboratory Conditions <b>Jabraeil Razmjou, (Iran)</b>	<b>44</b>
PS 28	<i>Eurygaster integriceps</i> egg parasitoids in Gharamalek <b>R. Karimzadeh (Iran)</b>	<b>45</b>
PS 29	Effect of plant height on pit hardening time and initiation of infestation by <i>Bactrocera oleae</i> gmelin in two olive varieties in Iran. <b>Mohamadzade Namin, Saeed (Iran)</b>	<b>46</b>
PS 30	Responses of adult <i>Ectomyelois ceratoniae</i> (Lepidoptera: Pyralidae) to pomegranate odor in flight tunnel <b>Najarpoor, A. (Iran)</b>	<b>47</b>
PS 31	Effect of different canola cultivars on life history traits of <i>Helicoverpa armigera</i> (Hübner) (Lep.: Noctuidae) <b>Sarah Karimi (Iran)</b>	<b>48</b>
PS 32	Life table and reproduction parameters of <i>Helicoverpa armigera</i> (Hübner) (Lep: Noctuidae) on ten canola cultivars under laboratory conditions <b>Sarah Karimi (Iran)</b>	<b>49</b>
PS 33	Effect of oil formulation of Fashand isolate of <i>Beauveria bassiana</i> on the sunn pest, <i>Eurygaster integriceps</i> <b>Zeynab Ghamari (Iran)</b>	<b>50</b>
PS 34	Nutritional indices of <i>Helicoverp armigera</i> (Lepidoptera: Noctuidae) on five different host plants <b>Fatemeh Baghery (Iran)</b>	<b>51</b>
PS 35	Comparative life history and reproductive performance of <i>Helicoverpa armigera</i> (Hübner) (Lepidoptera: Noctuidae) on five different host plants <b>Fatemeh Baghery (Iran)</b>	<b>52</b>
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PS 37	Functional response of <i>Hippodamia variegata</i> Goeze (Coleoptera: Coccinellidae) to different densities of <i>Aphis gossypii</i> Glover (Hemiptera:Aphididae) under laboratory conditions: An open patch approach. <b>Ahad Sahragard (Iran)</b>	<b>54</b>
PS 38	Seasonal population dynamics of the sugar beet moth, <i>Scrobipalpa ocellatella</i> Boyd. on the beet root in Khorasan province/Iran <b>Alireza Askarianzadeh (Iran)</b>	<b>55</b>
PS 39	Insecticidal activity of extract from <i>Hypericum perforatum</i> L. on <i>Plutella xylostella</i> (Lep.: Plutellidae) <b>A. Askarianzadeh (Iran)</b>	<b>56</b>
PS 40	How do different rose varieties influence functional response of <i>Orius albidipennis</i> Reuter to its prey <i>Tetranychus urticae</i> Koch? <b>G. Salehipour-Shirazi (Iran)</b>	<b>57</b>
PS 41	Effect of different temperatures on life table parameters of the dubas bug, <i>Ommatissus lybicus</i> (Hem.:Tropiduchidae) on date palm in natural conditions of Bam region, Iran <b>Arezoo Payandeh (Iran)</b>	<b>58</b>
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PS 43	Choice oviposition preference of <i>Helicoverpa armigera</i> (Hübner) (Lep.: Noctuidae) on 10 canola cultivars under laboratory and semi-field conditions <b>Elham Chegeni (Iran)</b>	<b>60</b>

PS 44	Parasitism rate and parasitoid diversity of <i>Pieris brassicae</i> (L.) (Lep.: Pieridae) on cabbage in comparison with wild hosts in Urmia <b>Mehdi Razmi (Iran)</b>	<b>61</b>
PS 45	Tachinid parasitoids of <i>Pieris brassicae</i> (Lep.: Pieridae) larvae in Urmia, Iran <b>Mehdi Razmi (Iran)</b>	<b>62</b>
PS 46	No-choice oviposition preference of <i>Spodoptera exigua</i> (Hübner) on different canola cultivars under laboratory conditions <b>Mehrnaz Pourghasem (Iran)</b>	<b>63</b>
PS 47	Life Table Parameters of <i>Spodoptera exigua</i> (Lep.: Noctuidae) on Different Canola Cultivars in Laboratory Conditions <b>Miriam Goodarzi (Iran)</b>	<b>64</b>
PS 48	An investigation of Melon Aphid, <i>Aphis gossypii</i> Glover (Homoptera: Aphididae), Susceptibility to malathion and pirimicarb in different populations in Iran <b>Mona Torkamand (Iran)</b>	<b>65</b>
PS 49	Studies on the occurrence of the pod borer <i>Heliothis virescens</i> in rain-fed Chickpea fields in Kermanshah region of Iran, and determination of best timing of pesticide sprays. <b>Morteza Kahrarian (Iran)</b>	<b>66</b>
PS 50	Study of lesser grain borer ( <i>Rhizopertha dominica</i> ) its effect on Rheological and chemical properties of gained flour <b>Shadfar Zahra (Iran)</b>	<b>67</b>
PS 51	Insect Pests of Glory Lily and their Management <b>M. Suganthy (India)</b>	<b>68</b>
PS 52	Comparing efficiency of different spraying techniques in controlling olive fruit fly, ( <i>Bactrocera oleae</i> Gmelin) <b>Ahmad Heidari (Iran)</b>	<b>69</b>
PS 53	Effect of three isolates of <i>Beauveria bassiana</i> on the adults of the sunn pest, <i>Eurygaster integriceps</i> <b>Zeynab Ghamari (Iran)</b>	<b>70</b>
PS 54	On The Biology of Elm leaf beetle, <i>Xanthogaleruca luteola</i> (Col.: Chrysomelidae) in Laboratory Conditions <b>M.G., Daryaei (Iran)</b>	<b>71</b>
PS 55	Comparison between three insecticides for control of <i>Helicoverpa armigera</i> of chickpea. <b>Alinaghi Mirmoayedi (Iran)</b>	<b>72</b>

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CONFERENCE HALL 2

#### TECHNICAL SESSION II- FOREST ENTOMOLOGY

##### ORAL PRESENTATION

13:30-13:45	OS 14	Abundance of Mealybug destroyer, <i>Cryptolaemus montrouzieri</i> in <i>Gymnemea sylvestre</i> , the medicinal herb <b>M.Suganthy (India)</b>	<b>73</b>
13:45-14:00	OS 15	Temperature-Dependent Demography of chilades pandava <b>Ravuiwasa Kaliova Tavuo (Taiwan)</b>	<b>74</b>
14:00-14:15	OS 16	A Perspective on Management of <i>Xyleborus glabratus</i> (Coleoptera: Scolytinae), an Asian Species Vectoring Laurel Wilt in the USA <b>Jorge E Peña (USA)</b>	<b>75</b>
14:15-14:30	OS 17	Impact and efficacy of Phyto-Pesticides against <i>Patialustecomella</i> (Coleoptera: Curculionidae), a serious pest of Marwar Teak in Western India <b>Meeta Sharma (India)</b>	<b>76</b>
14:30-14:45	OS 18	Impact of pest problem and management in teak ( <i>Tectona grandis</i> ) in Central India <b>P. B. Meshram (India)</b>	<b>77</b>

14:45-15:00	OS 19	<i>Leptocybe invasa</i> infestation of <i>Eucalyptus species</i> in Kenya <b>Otieno B. O (Nairobi)</b>	<b>78</b>
15:00-15:15	OS 20	Common Insect Pests in Planted Forest in Sarawak, Malaysia <b>Marfaisal Marzuki (Malaysia)</b>	<b>79</b>
15:15-15:30	OS 21	Hemlock looper defoliation effects on survival and growth as quantified from permanent sample plots and dendrochronology in Newfoundland, Canada <b>Javed Iqbal (Canada)</b>	<b>80</b>
15:30-15:45	OS 22	Insect Pest of <i>Neolamarckiacadamba</i> Plantation in Sarawak, Malaysia <b>Doreen H.S. Chai (Malaysia)</b>	<b>81</b>
15:45-16:00	OS 23	Introduced species of the genus <i>Neuroterus</i> and their distribution in oak forests of west Azarbaijan province (Iran) <b>Esmail Alizadeh (Iran)</b>	<b>82</b>
16:00-16:15		<b>COFFEE BREAK</b>	
16:15-16:30	OS 24	Use of neem extract to control <i>Euremablanda</i> Boisdu., A MAJOR PEST OF <i>Falcataria moluccana</i> (Miquel) Barneby & Grimes, on laboratory scale <b>Neo Endra Lelana (Indonesia)</b>	<b>83</b>
16:30-16:45	OS 25	Gall insects of two varieties of <i>Syzygium guineense</i> (Myrtaceae) in the Amurum Forest Reserve, north-central Nigeria. <b>Mwansat, G.S (Nigeria)</b>	<b>84</b>
16:45-17:00	OS 26	Biotic and Abiotic resistance to Argentine ant invasion <b>Habteab Habtom (Newzealand)</b>	<b>85</b>
17:00-17:15	OS 27	Improving Wood Coating with Insecticide to Obtain Dual Function Coating Applied as Finishing and Preservative Materials <b>Paimin Sukartana (Indonesia)</b>	<b>86</b>
17:15-17:30	OS 28	Biocontrol potential of some microbial agents for the control of some major insect pests of forest trees in India. <b>Shamila Kalia (India)</b>	<b>87</b>

## SESSION II- FOREST ENTOMOLOGY

### POSTER PRESENTATION

TIME: 17:30- 18:30 Hours

PS 56	The insect galls inducing and their natural enemies on <i>Quercus brantii</i> in south of Iran (Fars, Khuzestan provinces). <b>Seyed Reza Golestaneh (Iran)</b>	<b>88</b>
PS 57	An additional note on fruit flies fauna of Qaradag forests with two species as new records for Iran (Diptera: Tephritidae) <b>Samad Khaghaninia (Iran)</b>	<b>89</b>
PS 58	Six species as new records for Iran fruit flies fauna (Diptera: Tephritidae) from Egebshir region- East Azerbaijan province <b>Samad Khaghaninia (Iran)</b>	<b>90</b>
PS 59	Lethal effect of imidacoloprid on <i>Xanthogalerocella luteola</i> Muller in laboratory conditions <b>M. Rouhani (Iran)</b>	<b>91</b>
PS 60	The comparative study of the structure of produced galls by oak gallwasps genus <i>Andricus</i> sp. activity (family :Cynipidae) in west Azarbaijan province <b>Nuraddin shayesteh (Iran)</b>	<b>92</b>
PS 61	Whole-Tree Canopy Enclosures: A Novel Approach to Evaluating Biological Control Agents for Forest Health Management <b>Jerome Grant (USA)</b>	<b>93</b>
PS 62	Study on Life and Fertility Tables of Elm Leaf Beetle, <i>Xanthogaleruca luteola</i> Muller on Four Different Hosts under Laboratory Conditions <b>M.G., Daryaei (Iran)</b>	<b>94</b>

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CONFERENCE HALL 3

TECHNICAL SESSION III- SYSTEMATICS, TAXONOMY AND ZOO-GEOGRAPHY (I)

ORAL PRESENTATION

13:30-13:45	OS 29	Species profiling and role of abiotic factors on population dynamics of white grub in Uttarakhand hills (India) <b>Ajay Kumar Pandey (India)</b>	<b>95</b>
13:45-14:00	OS 30	A faunistic survey of Thysanoptera on cereal crops in Khuzestan, south-west of Iran <b>Leila Ramezani (Iran)</b>	<b>96</b>
14:00-14:15	OS 31	Pest insect fauna of safflower fields in Kohgiluyeh and Boyerahmad province, Iran <b>Karim Saeidi (Malaysia)</b>	<b>97</b>
14:15-14:30	OS 32	Description of a new species of the genus Meteorus Haliday with a key to known Indian species <b>Mohammad Shamim (India)</b>	<b>98</b>
14:30-14:45	OS 33	Faunistic study of Long-Horned Beetle (Col.: Cerambycidae) in Shiraz and Vicinities <b>Neda Seddighi (Iran)</b>	<b>99</b>
14:45-15:00	OS34	Faunistic study of predatory Coccinellids (Col. :Coccinellidae) in the Zarand region (Kerman Province), Iran <b>Reza Jafari (Iran)</b>	<b>100</b>
15:00-15:15	OS 35	A faunistic study on the diving beetles (coleoptera: dytiscidae) of Mazandaran province (north of iran) <b>Shohreh Faghihzadeh (Iran)</b>	<b>101</b>
15:15-15:30	OS 36	Predatory Mites (Arthropoda, Acari) associated with Cherry trees (Anacardiaceae) in Hamedan Province of Iran <b>Elahe Rostami (Iran)</b>	<b>102</b>
15:30-15:45	OS 37	Morphotaxonomic studies on <i>Simulium damnosum</i> Theobald Complex along Osun River, Southwest Nigeria <b>M.A Adeleke (Nigeria)</b>	<b>103</b>
15:45-16:00	OS 38	The Armoured scale insects (Hemiptera: Coccoidea: Diaspididae) determined on ornamental and shade plants in Kermanshah, Iran <b>Shirazi, M (Iran)</b>	<b>104</b>
16:00-16:15		<b>COFFEE BREAK</b>	
16:15-16:30	OS 39	Revision of Genus <i>Salixocoris</i> Ahmad and Abbasi 1974 (Heteroptera: Pentatomidae: Halyini) with addition of a new species <b>Abdul Manan Shaikh (Pakistan)</b>	<b>105</b>
16:30-16:45	OS 40	Fauna and the relative frequency of flea in the rural areas of Boyer Ahmad, Iran <b>Shayeghi mansoreh (Iran)</b>	<b>106</b>
16:45-17:00	OS 41	A Study on the Lace bugs (Heteroptera: Tingidae) from North and Northwestern Iran <b>Hamid Sakenin (Iran)</b>	<b>107</b>

**SESSION III- SYSTEMATICS, TAXONOMY AND ZOO-GEOGRAPHY**

**POSTER PRESENTATION**

**TIME: 17:30-18:30 Hours**

PS 63	Faunistic survey of edaphic Mesostigmatic mites (Acari: Mesostigmata) associated with corn and rape seed fields in Gachsaran, Iran <b>Hossein Moradian (Iran)</b>	<b>108</b>
PS 64	The Identification of Noctuid Family Specimens (Lepidoptera), Collected in Forests and Rangeland in Iran <b>Farrar N (Iran)</b>	<b>109</b>
PS 65	Investigation of Citrus Whitefly's <i>Dialeurodes citri</i> Ashmead Population Fluctuation and Density on Two Varieties of Oranges <b>M. Zarabi (Iran)</b>	<b>110</b>
PS 66	Introduction of syrphidae flies blood fauna in Ilam province, IRAN <b>M.Zarabi (Iran)</b>	<b>111</b>
PS 67	A faunistic study of natural enemies of <i>Nipaecoccus viridis</i> , Spherical mealy bug, on three host plants <i>Citrus auranticum</i> L., <i>Nerium oleander</i> and <i>Morus alba</i> in south parts of Iran <b>M. Zarabi (Iran)</b>	<b>112</b>
PS 68	Population fluctuation of <i>Nipaecoccus viridis</i> Newstead on Citrus Plants in South Part of Iran <b>M. Zarabi (Iran)</b>	<b>113</b>
PS 69	Natural enemies of Cabbage aphid ( <i>Breviocoryne brassicae</i> ) on rape seed plant in Hamedan province <b>Bahare Amini (Iran)</b>	<b>114</b>
PS 70	Identification of moths of family Sphingidae in some region of Fars Province (Iran) <b>Frangis Ghassemi (Iran)</b>	<b>115</b>
PS 71	Mites of the superfamily Raphignatoidea (Acari : Prostigmata) in Northwest of Iran <b>Mohammad Bagheri (Iran)</b>	<b>116</b>
PS 72	A faunistic study of the Iranian leafhoppers (Hemiptera: Cicadellidae): Kerman province <b>Farzad Pakarpour (Iran)</b>	<b>117</b>
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PS 85	Bugs (Heteroptera) of the chosen habitats from southern Poland: species composition, conditions favoring occurrence, nutritional preferences <b>B. Symonowicz (Poland)</b>	130
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PS 93	The preliminary study of water mite fauna of Manoojan (southeast of Iran) <b>Isa Etemadi (Iran)</b>	138
PS 94	Faunistic study of Raphignathoid mites (Acari: Prostigmata) in Mashhad, Razavi Khorasan Province of Iran <b>Paktinat, S (Iran)</b>	139
PS 95	Phylogenetic study of <i>Deraeocoris</i> (Hemiptera: Miridae: Deracorinae) species based on morphological characters in Iran <b>Mohammadreza Lashkari (Iran)</b>	140
PS 96	First report of a genus and species of the Family Eupodidae (Acari: Prostigmata) from Iran <b>Hossein Moradian (Iran)</b>	141
PS 97	First record of four species of wasps as a parasitoids of <i>Pieris brassicae</i> (Lep.:, Pieridae) from Iran <b>Mehdi Razmi (Iran)</b>	142
PS 98	Aphid parasitoid fauna (Hymenoptera, Braconidae, Aphidiinae) of the Hormozgan Province in Iran. <b>Poramiri Mehran (Iran)</b>	143
PS 99	Faunistic study of Phytoseiid mites (Acari: Mesostigmata) in Mashhad region of Iran <b>A. Askarianzadeh (Iran)</b>	144

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CONFERENCE HALL 4

**TECHNICAL SESSION IV - NATURE PROTECTION, LANDSCAPE MANAGEMENT AND INSECT CONSERVATION (I)**

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13:45-14:00	OS 43	Bioacoustic monitoring of Orthoptera: Benefits and current challenges. <b>Paul Grant (South Africa)</b>	146
14:00-14:15	OS 44	Conservation of entomophage biodiversity by establishing Entomophage Parks <b>D. N. Yadav (India)</b>	147
14:15-14:30	OS 45	Feedback Applications to Ecotourism Purpose for Lgret Lake Watershed, Taitung Forest Park Based on Territorial Behaviors of Brachytrupes Portentosus <b>Sheng Liang (Taiwan)</b>	148
14:30-14:45	OS 46	Monitoring the dynamics of carabid-beetles populations number (Coleoptera, Carabidae) in ecosystems the Barguzinsky ridge (Northern Pribaikalye) <b>Ananina Tatyana Lvovna (Russia)</b>	149
14:45-15:00	OS 47	Design and Management of Ecological Networks to Optimize Biodiversity within Agroforestry using Arthropods <b>James S Pryke (South Africa)</b>	150
15:00-15:15	OS 48	First records of two rare found hover flies genera, <i>Trichopsomyia</i> Williston, 1888 and <i>Ferdinanda</i> Rondani, 1844, (Diptera; Syrphidae) from Iran <b>Samad Khaghaninia (Iran)</b>	151
15:15-15:30	OS 49	Agroforestry, an ideal natural protection system for the management of cotton insect pests. <b>T. S. Dange (India)</b>	152
15:30-15:45	OS 50	Introducing some host plant species related with <i>N. marginatus</i> (Wainstein) (Acari: Phytoseiidae) from Western provinces of Iran. <b>Maryam Rezaie (Iran)</b>	153
15:45-16:00	OS 51	Interpreting Insect Interactions: the Influence of Climate Change and Habitat Fragmentation on Herbivory and Parasitism <b>Poppy Lakeman Fraser (UK)</b>	154
16:00-16:15	<b>COFFEE BREAK</b>		
16:15-16:30	OS 52	<i>Predictive Modeling and Habitat Suitability Analysis for Heliocorpris dominus L. a rare dung beetle of Western Ghats</i> <b>Priyadarsanan Dharma Rajan (India)</b>	155
16:30-16:45	OS 53	Survey and conservation of aquatic useful insects of sapna reservoir of betul district of Madhya Pradesh. <b>P.K. Mishra (India)</b>	156
16:45-17:00	OS 54	Behavioral Activity Patterns of <i>Paratrechina longicornis</i> in Natural Environment and Built Area of Johor <b>Shabanun, S.M.Y (Malaysia)</b>	157

**SESSION IV- NATURE PROTECTION, LANDSCAPE MANAGEMENT AND INSECT CONSERVATION**

**POSTER PRESENTATION**

**TIME: 17:30-18:30 Hours**

PS 100	An introduction to Megachilids bees (Hymenoptera: Apoidea) of Horandgrass lands including a genus as new record for Iran - <b>Samad Khaghaninia (Iran)</b>	158
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PS 101	Life table parameters of <i>Neoseiulus barkeri</i> (Hughes) (Acari: Phytoseiidae) on different host plants <b>Maryam rezaie (Iran)</b>	<b>159</b>
PS 102	Conservation of butterflies of Betul District of MP(India) <b>Usha Dwivedi (India)</b>	<b>160</b>

**6<sup>th</sup> March 2011**

**CONFERENCE HALL 5**

**TECHNICAL SESSION V- ADVANCES IN APICULTURE**

**ORAL PRESENTATION**

13:30-13:45	OS 55	Study and identification of nectar plant and pollen plant species used by honeybee of markazi state in Iran <b>N.Asadi (Iran)</b>	161
13:45-14:00	OS 56	Genetic structure of migratory colonies of <i>Apis florea</i> (Hymenoptera: Apidae) From south-eastern Iran <b>N. Asadi (Iran)</b>	162
14:00-14:15	OS 57	Plant-pollinator interactions in bignoniaceae with special reference to floral morphology <b>S.V.S. Chauhan (India)</b>	163
14:15-14:30	OS 58	Does open-air nesting honey bee <i>Apis florea</i> differ from the other bees of genus <i>Apis</i> in brood hygienic behaviour? <b>Jerzy Woyke (Poland)</b>	164
14:30-14:45	OS 59	Variability of insecticidal tolerance among honey bee colonies on differential exposure to pesticides <b>A.N. Shylesha (India)</b>	165
14:45-15:00	OS 60	The effect of age and spore dose on <i>Nosema</i> infection levels in queen honey bees ( <i>Apis mellifera</i> L.) <b>Veeranan Chaimanee (Thailand)</b>	166
15:00-15:15	OS 61	Propolis of Stingless bee as an anti- <i>Nosema ceranae</i> agent for Thai Honeybees <b>Guntima Suwannapong (Thailand)</b>	167
15:15-15:30	OS 62	Reproduction of Varroa Mites is affected by mite status and age of the Honey bee host <b>Lilia I. de Guzman (USA)</b>	168
15:30-15:45	OS 63	Are Wild Honey Bee Populations Sustainable in SE Asia? <b>Stephen Petersen (Alaska)</b>	169
15:45-16:00	OS 64	Effects of certain substances on <i>Ascospaera apis</i> spore germination <b>Anchalee Sawatthum (Thailand)</b>	170
16:00-16:15		<b>COFFEE BREAK</b>	
16:15-16:30	OS 65	Good veterinary practice in apiary - Guidelines for future <b>Zlatko Tomljanovic (Croatia)</b>	171
16:30-16:45	OS 66	Effect of Iranian Honey Bee Venom on Blood Glucose, Triglyceride and insulin secretion in pancreatic islets in Diabetic Rats <b>MousaviSeyedeh Mahbubeh (Iran)</b>	172
16:45-17:00	OS 67	Resources, potential and scope for Apiculture in Melghat forest of India. <b>V.S. Mangle (India)</b>	173
17:00-17:15	OS 68	Factors influencing inter & intra-specific preferences of honeybees for three concurrently flowering vegetable/ spice crops <i>Foeniculum vulgare</i> (fennel), <i>Allium cepa</i> (onion) and <i>Daucus carota</i> (carrot) <b>Neelam Chaudhary</b>	174
17:15-17:30	OS 69	Melliferous plants visited by <i>Apis dorsata</i> during different seasons in the Vidharba region of Maharashtra State in India <b>G.N. Paliwal (India)</b>	175

17:30-17:45	OS 70	Role of <i>Apis cerana</i> (hymenoptera : apidae) on fruit set and yield of guava <b>M. K. Deka (India)</b>	176
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**SESSION V- ADVANCES IN APICULTURE**

**TIME: 17:30-18:30 Hours**

**POSTER PRESENTATION**

PS 103	The study of distribution <i>Varroa jacobsoni</i> (oudeman) and effective factors on mite's population in Fars Province <b>F. Ghassemi (Iran)</b>	177
PS 104	Evaluating some properties of lipase in great wax moth <i>Galleria mellonella</i> (Lep., Pyralidae) <b>Reza Farshbaf Pourabad (Iran)</b>	178
PS 105	Morphometric analysis of Persian honey bee in Mazandaran province (north of Iran) <b>Ataollah Rahimi (Iran)</b>	179
PS106	Apiculture in Kamchatka Peninsula in Russian Far East <b>P.P. Snegur (Russia)</b>	180
PS 107	Changes in annual brood cycle of bee colonies after introduction to Kamchatka, Russian Far East <b>P.P. Snegur (Russia)</b>	181
PS 108	A study of Thai honeybee flora through midgut pollen identification <b>Guntima Suwannapong (Thailand)</b>	182
PS 109	Interaction amongst the genetic origin of the bees and environment in Poland. Ongoing evaluations of the Coloss Work Group 4 (COST Action FA0803) <b>Jerzy Wilde (Poland)</b>	183

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**CONFERENCE HALL 6**

**TECHNICAL SESSION I-AGRICULTURAL ENTOMOLOGY (II)**

13:30-13:45	OS 71	Management of Insect Pest of Pigeonpea Through Habitat Biodiversity Manipulation <b>Paras Nath (Fiji)</b>	184
13:45-14:00	OS 72	Biology of pistachio white leaf borer, <i>Ocneria terebinthina</i> Stgr (Lep: Lymantriidae) in pistachio orchards of Anar region, Rafsanjan, Iran <b>R. Poursalari (Iran)</b>	185
14:00-14:15	OS 73	Effect of nitrogen fertilizer on population of the stem borers, <i>Sesamia</i> spp. (Lep., Noctuidae) in the sugarcane fields in Khuzestan/Iran <b>A. Askarianzadeh (Iran)</b>	186
14:15-14:30	OS 74	Ecology and Biology of <i>Helicoverpa armigera</i> (Hubner) (American Boll worm) Lepidoptera: Noctuidae in cotton growing areas of Hydeabad, Sindh, Pakistan. <b>Mansoor Ali Shah (Pakistan)</b>	187
14:30-14:45	OS 75	<i>Dysdercus cingulatus</i> Fabricius (Heteroptera: Pyrrhocoridae) as a major pest of Bt-cotton in Warangal, Andhra Pradesh <b>Chintha Sammaiah (India)</b>	188
14:45-15:00	OS 76	Screening of Some Sorghum Genotypes for Resistance to Sorghum Midge, <i>Stenodiplosis</i> (= <i>Contarinia</i> ) <i>sorghicola</i> (Coq.)* <b>Anas A. Fadlemula (Sudan)</b>	189
15:00-15:15	OS 77	Evaluation of flubendiamide 480 SC alone and in combination with new molecules against common natural enemies under various crop ecosystems <b>P. P. Dhar (India)</b>	190
15:15-15:30	OS 78	Microbial Control Potential of Entomopathogenic Fungi against <i>Zabrus tenebrioides</i> (Col. Carabidae) <b>Hana Haji allahverdi pour (Iran)</b>	191

15:30-15:45	OS 79	Negligence of Plant Quarantine Practices; Effect on the Economy and the Environment; an Example from Sri Lanka <b>M. Dharmadasa (Srilanka)</b>	<b>192</b>
15:45-16:00	OS 80	The effect of cropping pattern on insect pest densities in irrigated vegetable agroecosystems in jos, nigeria. <b>Olaniyan, O (Nigeria)</b>	<b>193</b>
16:00-16:15		<b>COFFEE BREAK</b>	
16:15-16:30	OS 81	Potentiality of neem formulations and effectiveness of some common natural enemies in population suppression of <i>Hyposidra infixaria</i> Walk. (Lepidoptera: Geometridae), a resurgent looper pest of tea. <b>A.K. SOMCHOUDHURY (INDIA)</b>	<b>194</b>
16:30-16:45	OS 82	New introducer of Colorado beetle, <i>Leptinotarsa decemlineata</i> (Say.) in Iraqi potatos fields. <b>Talal T.Mahmoud (Iraq)</b>	<b>195</b>
16:45-17:00	OS 83	Selectivity of some acaricides on some important natural enemies associated with red spider mite under okra ecosystem <b>B. Tudu (India)</b>	<b>196</b>
17:00-17:15	OS 84	Estimating leaf infestation of Pea ( <i>Pisum sativum</i> L.) by <i>Chromatomyia horticola</i> (Gour) and its population build up in Allahabad district (U.P.) <b>Deepti Mondol (India)</b>	<b>197</b>

## WELCOME RECEPTION

**19.00 hrs**

### 7<sup>th</sup> March 2011

<b>Plenary Lecture IV:</b>	<b>Dr. V. S. Chauhan</b> Director, ICGB, New Delhi, India	<b>08:30-09:00</b>	
	<b>“DEVELOPMENT OF BLOOD STAGE VACCINES AGAINST <i>P.falciparum</i> and <i>P.vivax</i>”</b>		<b>198</b>
<b>Plenary Lecture II:</b>	<b>Prof. Michael J. Samways</b> Stellenbosch University, South Africa	<b>09:00-09:30</b>	
	<b>“DRAGONFLIES: MODEL ORGANISMS FOR INSECT CONSERVATION RESEARCH”</b>		<b>199</b>
<b>Plenary Lecture III:</b>	<b>Dr. Rajinder Kumar Saini</b> ICIPE, Nairobi, Kenya.	<b>09:30-10:00</b>	
	<b>“DEVELOPMENT OF TOOLS AND STRATEGIES FOR INTEGRATED CONTROL OF ARTHROPOD VECTORS OF IMPORTANT VETERINARY DISEASES IN SUB- SAHARAN AFRICA”</b>		<b>200</b>
<b>Coffee Break</b>		<b>10:00-10:30</b>	

### 7<sup>th</sup> March, 2011

**CONFERENCE HALL 1**

#### TECHNICAL SESSION I- AGRICULTURAL ENTOMOLOGY (III)

##### ORAL PRESENTATION

10:30-10:45	OS 85	On farm evaluation of sex pheromone in the management of rice yellow stem borer, <i>Scirpophaga incertulas</i> Walker (Lepidoptera: Pyralidae) <b>D.K. Sidde Gowda (India)</b>	<b>201</b>
10:45-11:00	OS 86	Insect pests on different cabbage varieties <b>Jõgar, K. (Estonia)</b>	<b>202</b>

11:00-11:15	OS 87	Crop loss assessment of <i>Lixus incanescens</i> Boh. (Col. :Curculionidae) on sugar beet in Iran <b>R. Arbabtafti (Iran)</b>	<b>203</b>
11:15-11:30	OS 88	<i>Ryhynchophorus Spp.</i> (Coleoptera: Curculionidae): A new invasive pest of palm trees in the East Coast of Malaysia. <b>Norasmah B (Malaysia)</b>	<b>204</b>
11:30-11:45	OS 89	Impact of host plant resistance on biology and life table parameters of <i>Schizaphis graminum</i> (Rondani) (Homoptera: Aphididae) <b>B. Barkhordar (Iran)</b>	<b>205</b>
11:45-12:00	OS 90	<i>Vitex agnus castus</i> derived component attract <i>Hyalesthes obsoletus</i> - the vector of grapevine phytoplasma. <b>R. Sharon (Israel)</b>	<b>206</b>
12:00-12:15	OS 91	Impact of climatic change on the population dynamics of two spotted spider mite, <i>Tetranychus urticae</i> Koch in brinjal ecosystem <b>Vinoth Kumar.S, (India)</b>	<b>207</b>
12:15-12:30	OS 92	Effects of green fluorescent dust on sunn pest, <i>Eurygaster integriceps</i> (Hemiptera: Scutelleridae) <b>R. Karimzadeh (Iran)</b>	<b>208</b>
12:30-13:30		<b>LUNCH</b>	
13:30-13:45	OS 93	Effect of cowpea and chickpea cultivars on reproductive performance of <i>Helicoverpa armigera</i> (Hübner) (Lepidoptera: Noctuidae ) <b>Neda Fallahnejad-Mojarrad (Iran)</b>	<b>209</b>
13:45-14:00	OS 94	A new method to study the functional response of <i>Scymnus syriacus</i> (Col:Coccinellidae) to different densities of <i>Aphis gossypii</i> <b>Ahad Sahragard (Iran)</b>	<b>210</b>
14:00-14:15	OS 95	Control of flies in Button Mushroom by using of the Neem Azal organic insecticide in comparison with Damelin chemical insecticide <b>Fezeh Mashmouli (Iran)</b>	<b>211</b>
14:15-14:30	OS 96	Pestiferous nature, abundance and potential threat of mirid bugs and flower bud maggots for Bt cotton cultivation in India <b>Udikeri.S.S (India)</b>	<b>212</b>
14:30-14:45	OS 97	Interaction between <i>Lycosa terrestris</i> (Lycosidae: Araneae) and <i>Coccinella septempunctata</i> (Coccinellidae: Coleoptera) <b>Abida Butt (Pakistan)</b>	<b>213</b>
14:45-15:00	OS 98	Among-year Variation in the Occurrence of Major Fruit Tree Moths in Korea <b>Myoung Rae Cho (Korea)</b>	<b>214</b>
15:00-15:15	OS 99	Transmission Biology of Two Calla Lily Viruses by Aphids <b>Min-Ting Liao (Taiwan)</b>	<b>215</b>
15:15-15:30	OS 100	Effect of insecticides application on aphid at pod filling stage of canola <b>Muhammad Aslam (Pakistan)</b>	<b>216</b>
15:30-15:45	OS 101	Degree day model for simulation developmental period of immature of <i>Trialeurodes vaporariorum</i> (Westwood). <b>S. Iranmanesh (Iran)</b>	<b>217</b>
15:45-16:00	OS 102	Investigating giant red mustard as a deterrent of silverleaf whitefly oviposition in vegetable crops <b>Jesusa C. Legaspi (USA)</b>	<b>218</b>
16:00-16:15		<b>COFFEE BREAK</b>	
16:15-16:30	OS 103	Effect of temperature and relative humidity on infestation of brinjal fruit borer ( <i>Leucinodes orbonalis</i> Guen.) <b>Qudsia Yousafi (Iran)</b>	<b>219</b>
16:30-16:45	OS 104	Efforts to use soft Pesticides for the Control of cotton Insect Pests <b>Hayder Abdelgader (Sudan)</b>	<b>220</b>

16:45-17:00	OS 105	Yield Losses Due to the Natural Infestation of Faba Bean, <i>Vicia faba</i> L., by the Leaf Miners, <i>Liriomyza</i> spp., in Central Sudan* <b>Faiza E. E. Salah (Sudan)</b>	221
17:00-17:15	OS 106	Correlation of morphological characters and bio-chemical parameters of sorghum genotypes with shoot fly, aphid and shoot bug incidence <b>R.A. Balikai (India)</b>	222

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CONFERENCE HALL 2

TECHNICAL SESSION VI- MEDICAL AND VETERINARY ENTOMOLOGY (I)

ORAL PRESENTATION

10:30-10:45	OS 107	Mosquito control and antimicrobial potential of some essential oils <b>Satish Bhonde (India)</b>	223
10:45-11:00	OS 108	Repellent activity of some plant oils against <i>Aedes aegypti</i> <b>Vrushali Tare (India)</b>	224
11:00-11:15	OS 109	Malaria epidemiology and Anopheline vectors in Bashagard County, Southeast of Iran <b>A.A. Hanafi-Bojd (Iran)</b>	225
11:15-11:30	OS 110	Characterization of <i>Trypanosoma evansi</i> antigen by sds-page and westren blot. <b>EL Maghrbi, A. A (Libya)</b>	226
11:30-11:45	OS 111	Distribution of Esterases in <i>Culex</i> mosquitoes at two sites in Southern Botswana <b>N. Makate (Iran)</b>	227
11:45-12:00	OS 112	Efficacy of Etofenprox Insecticide on Malaria Vector Mosquito, <i>Anopheles Stephensi</i> , with Impregnated Nets under Laboratory Conditions <b>Alipour H (Iran)</b>	228
12:00-12:15	OS 113	Susceptibility of different biological forms of <i>Anopheles stephensi</i> to <i>Plasmodium berghei</i> ANKA strain <b>Hamidreza Basseri (Iran)</b>	229
12:15-12:30	OS 114	Predatory Efficiency of the Tadpole of Cricket Frog <i>Fejervarya limnocharis</i> (Anura: Dicroglossidae) on the Larvae <i>Culex quinquefasciatus</i> Say Mosquito (Diptera: Culicidae) <b>Kabirul Bashir (Bangladesh)</b>	230
12:30-13:30		<b>LUNCH</b>	
13:30-13:45	OS 115	Determination of prevalence rate of Scabies and its associated demographic factors among clients referred to Kazeroon city health care centers from 1998 to 2006. <b>Amin.M (Iran)</b>	231
14:00-14:15	OS 116	The breeding places of Culicidae mosquitoes in north of Iran <b>Seyed Hassan Moosa Kazemi (Iran)</b>	232
14:15-14:30	OS 117	Impact of some plant extracts on certain biochemical profiles of <i>Culex quinquefasciatus</i> larvae <b>Preeti Sharma (India)</b>	233
14:30-14:45	OS 118	Chemical composition and larvicidal activity of the essential oil of <i>Hedychium spicatum</i> Var Hamilt. Roopendra Kumar <sup>1</sup> , Sanjeev Kumar <sup>1</sup> , Lalit Mohan <sup>2</sup> , C.N. Srivastava <sup>2</sup> , <b>K.C. Gupta (India)</b>	234
14:45-15:00	OS 119	Synthesis and larvicidal activity of oxadiazoles <b>K.C. Gupta (India)</b>	235
15:00-15:15	OS 120	Composition of mosquito fauna in a malaria endemic area, southeastern Iran - <b>Vatandoost, H (Iran)</b>	236

15:15-15:30	OS 121	A study On The Ectoparasites Of Sheep And Goat In Libya <b>Rashed A M (Libya)</b>	237
15:30-15:45	OS 123	Phylogenetic analysis of <i>Anopheles</i> species subgenus <i>Anopheles</i> and <i>Cellia</i> relationship from Iran and neighbor countries <b>Saber Gholizadeh (Iran)</b>	238
15:45-16:00	OS 124	Cutaneous leishmaniasis in Hamadan, Iran <b>Nazari, M (Iran)</b>	239
16:00-16:15		<b>COFFEE BREAK</b>	
16:15-16:30	OS 125	Survey on the ectoparasites of rodents captured in capital of Iran, Tehran <b>Z Telmadarraiy (Iran)</b>	240
16:30-16:45	OS 126	The role of anti-FBN9 in inhibiting <i>An. stephensi</i> oocyst formation <b>Navid Dinparast DJadid (Iran)</b>	241

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**CONFERENCE HALL 3**

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**ORAL PRESENTATION**

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14:15-14:30	OS 138	Survey on owlet moths of family noctuidae (lepidoptera) from himachal	<b>271</b>

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15:15-15:30	OS 142	Taxonomic revision of Indian Noctuidae (Lepidoptera) with special emphasis on External Genital attributes <b>Charan Kamal Sekhon (India)</b>	275
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15:45-16:00	OS 144	First report on <i>Anopheles fluviatilis</i> U in southeastern Iran <b>M.A. Oshaghi (Iran)</b>	277
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CONFERENCE HALL 4

**TECHNICAL SESSION IV-NATURE PROTECTION LANDSCAPE MANAGEMENT (II)  
AND INSECT CONSERVATION**

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**CONFERENCE HALL 5**

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11:15-11:30	OS 165	Scanning electron microscope studies on the second instars' morphology of hypogeal margarodids (Sternorrhyncha: Coccoidea: Margarodidae) in western parts of Iran". <b>H.A. Vahedi (Iran)</b>	<b>298</b>
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## SESSION VII- PHYSIOLOGY, BIOCHEMISTRY AND DEVELOPMENTAL BIOLOGY

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PS 177	Structure properties of <i>Callosobruchus chinensis</i> (Col.: Bruchidae) $\alpha$ -amylase <b>Mohammad Mehrabadi (Iran)</b>	364
PS 178	Study on the role of peritrophic membrane in recycling of digestive enzymes in the carob moth, <i>Ectomyelois ceratoniae</i> Zeller (Lep.: Pyralidae) <b>Parvin Razavi Tabatabai (Iran)</b>	365

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CONFERENCE HALL 6

TECHNICAL SESSION I- AGRICULTURAL ENTOMOLOGY (IV)

ORAL PRESENTATION

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10:45-11:00	OS 183	Pheromones based studies for management of Rice yellow stem borer <i>Scirpophaga incertulas</i> (Walker) Pyralidae: Lepidoptera. <b>Y. Hariprasad (India)</b>	367
11:00-11:15	OS 184	Principal component analysis of brown planthopper resistance mechanisms in the recombinant inbred lines of cross Basmati370/ASD16 in rice <b>K. Vanitha (India)</b>	368
11:15-11:30	OS 185	Host plant induced susceptibility of the invasive papaya mealybug, <i>Paracoccus marginatus</i> Williams and Granara de Willink to insecticides	369

11:30-11:45	OS 186	<b>Anjitha Alexander (India)</b> Life tables of <i>Helicoverpa armigera</i> (Hubner),( Lepidoptera: Noctuidae) Reared on Hybrid sweet corn and Artificial diet. <b>Jha, R.K. (Nepal)</b>	370
11:45-12:00	OS 187	Evaluation of plant products and microbial management of brinjal fruit and shoot borer, <i>Leucinodes orbonalis</i> Guenee (Lepidoptera : Pyraustidae) <b>Anjali Mathur(India)</b>	371
12:00-12:15	OS 188	A comparative study on distribution of Anopheline mosquito species in command and non-command areas of Bikaner District in Rajasthan <b>Meera Shrivastava(India)</b>	372
12:15-12:30	OS 189	Inheritance and fitness costs associated with laboratory selected resistance to bacillus thuringiensis Cry1Ac toxin in <i>Helicoverpa armigera</i> (Lepidoptera : Noctuidae) from India <b>Paramjit Kaur(India)</b>	373
12:30-13:30		<b>LUNCH</b>	
13:30-13:45	OS190	Detecting termite in oil palm plantation Planted on peat and the effect of different Water table on <i>Coptotermes curvignathus</i> <b>ZulkefliMasijan (Malaysia)</b>	<b>374</b>
13:45-14:00	OS 191	Different eco-climatic conditions and termites (insecta: isoptera) occurrence in state haryana (India) <b>Sachin Kumar (India)</b>	<b>375</b>
14:00-14:15	OS 192	Occurrence of oriental flies associated with indoor and outdoor human remains. <b>Kumara, T.K. (Malaysia)</b>	<b>376</b>
14:15-14:30	OS 193	Population dynamics of soil microarthropod fauna of the grassland area of river benue in adamawa state north-east nigeria <b>NJILA, H.L (Nigeria)</b>	<b>377</b>
14:30-14:45	OS 194	Distribution of adult filth flies and rate of filth fly emergence in relation to landfill practices at a sanitary landfill in Pulau Pinang, Malaysia. <b>Nurita A.T (Malaysia)</b>	<b>378</b>
14:45-15:00	OS 195	A study on species diversity and distribution of soil macroarthropod fauna in irrigation vegetable plots of jos south local government area, Plateau state north central, nigeria. <b>NJILA H.L (Nigeria)</b>	<b>379</b>
15:00-15:15	OS 196	Revision on tribe Copiphorini (Orthoptera : Tettigoniidae : Conocephalinae) from Taiwan <b>Jeng Tze Yang (Taiwan)</b>	<b>380</b>

#### TECHNICAL SESSION I- AGRICULTURAL ENTOMOLOGY (IV)

##### POSTER PRESENTATION

TIME: 17:30-18:30 Hours

PS 179	Faunal composition of humus soil in Melghat Tiger Reserve forest of India. <b>V.S.Mangle(India)</b>	<b>381</b>
PS 180	The effect of wing morphology variation on dominate frequency of <i>Tibicen plebejus</i> (Hemiptera: Auchenorrhyncha: Cicadidae) <b>Maedeh Mehdipour(Iran)</b>	<b>382</b>

## 8<sup>th</sup> March 2011.

### Plenary Lecture VII: **Dr.G.P.Rao**

Department of Plant Pathology, IARI, New Delhi, INDIA

**“MOLECULAR DETECTION THAT EXISTENCE OF TWO STRAINS OF SUGARCANE YELLOW LEAF VIRUS IN INDIA AND ITS SECONDARY SPREAD IN NATURE THROUGH APHIDS”**

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### Plenary Lecture VIII: **Dr. H.B. Singh**

Bharat Hindu University, Varanasi, India

**08.30-09:00**

**“BIOLOGICAL CONTROL OF PLANTHOPPER *Pyrilla perpusilla* (Homoptera: Lophopidae): THE MOST DESTRUCTIVE FOLIAGE-SUCKING PEST OF SUGARCANE”**

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### Plenary Lecture IX: **Prof. You-Chan Bae**

National Veterinary Research and Quarantine Service, Anyang,  
Gyeonggi-do, Korea

**09:00-09:30**

**“CLASSIFICATION ON CULICOIDES BITING MIDGES TRANSMITTING ARBOVIRUSES IN CATTLE AND IDENTIFICATION OF MAIN BITING MIDGE SPECIES”**

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**09.30 – 10.00**

Coffee break

**10:00-10:30**

## 8<sup>th</sup> March, 2011

CONFERENCE HALL 1

### TECHNICAL SESSION VIII- NEUROBIOLOGY AND TOXICOLOGY

#### ORAL PRESENTATION

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10:45-11:00	OS 198	Factors affecting the insecticidal efficacy of the diatomaceous earth formulations Insecto and SilicoSec against 3 <sup>rd</sup> and 5 <sup>th</sup> larval instars of the flour beetle, <i>Tribolium castaneum</i> Herbst (Col.: Tenebrionidae) <b>Alireza Nazari (Iran)</b>	<b>387</b>
11:00-11:15	OS 199	Comparison of one Iranian diatomaceous earth deposit and a commercial formulation, SilicoSec <sup>®</sup> , against <i>Sitophilus granarius</i> (L.) <b>Masumeh Ziaee (Iran)</b>	<b>388</b>
11:15-11:30	OS 200	Evaluation of <i>Bemisia tabaci</i> (Genn.) adult's susceptibility to Diazinon and Pymetrozin under control conditions <b>M. A. Samih (Iran)</b>	<b>389</b>
11:30-11:45	OS 201	Contact toxicity of indoxacarb and hexaflumuron on eggs and adults of the diamondback moth, <i>Plutella xylostella</i> (L.) (Lepidoptera: Yponomeutidae) <b>Mohammad Mahmoudvand (Iran)</b>	<b>390</b>
11:45-12:00	OS 202	Study of insecticideresistance and Esterase activity of Sunnpest, <i>Eurygaster integriceps</i> Puton (Heteroptera: Scutelleridae) <b>Marzieh Alizadehand Hamid (Iran)</b>	<b>391</b>

12:00-12:15	OS 203	Repellency and Toxicity of Essential oil vapour from <i>Thuja orientalis</i> L. (Cupressaceae) to <i>Tetranychus urticae</i> Koch. (Acari: Tetranychidae) <b>Fatemeh Mozaffari (Iran)</b>	<b>392</b>
12:15-12:30	OS 204	Contact toxicity of <i>Satureja hortensis</i> (Lamiaceae) and <i>Zingiber officinale</i> (Zingiberaceae) essential oils against <i>Plodia interpunctella</i> (Lepidoptera: Pyralidae) <b>Izadi Hamzeh (Iran)</b>	<b>393</b>
12:30-13:30		<b>LUNCH</b>	
13:30-13:45	OS 205	Fumigant toxicity of essential oils from <i>Satureja hortensis</i> (Lamiaceae) and <i>Zingiber officinale</i> (Zingiberaceae) against <i>Ephesia kuehniella</i> (Lepidoptera: Pyralidae) <b>Izadi Hamzeh (Iran)</b>	<b>394</b>
13:45-14:00	OS 206	Study on susceptibility of <i>Bemisia tabaci</i> (Genn.) to abamectin and imidacloprid under control conditions <b>S. Esmaeily (Iran)</b>	<b>395</b>
14:00-14:15	OS 207	Biology of greenbug, <i>Schizaphis graminum</i> (Rondani) (Hemiptera: Aphididae) on broom corn, <i>Sorghum cernuum</i> in Miyaneh region. <b>S. Shahrokhi (Iran)</b>	<b>396</b>
14:15-14:30	OS 208	The effect of primicarb Insecticide on <i>Aphis pome</i> on apple tree in the south of Iran <b>Sadeghi Maryam (Iran)</b>	<b>397</b>
14:30-14:45	OS 209	Investigation the lethal concentration (LC <sub>50</sub> ) and time (LT <sub>50</sub> ) of mortality of essential oil of <i>Cinnamomum zeylanicum</i> on <i>Tribolium castaneum</i> (Col.: Tenebrionidae) <b>Habib Abbasipour (Iran)</b>	<b>398</b>
14:45-15:00	OS 210	Functional response of the common green lacewing <i>Chrysoperla carnea</i> (Stephen) at different densities of pomegranate aphid, <i>Aphis punicae</i> (passerine). <b>M. Rouhani (Iran)</b>	<b>399</b>
15:00-15:15	OS 211	Residual efficacy of Lambdacyhalothrin (Icon <sup>®</sup> ) 10% Sc with <i>Anopheles stephensi</i> (Diptera: Culicidae) against various surfaces in Iranshahr, southeast of Iran <b>Kamran Akbarzadeh (Iran)</b>	<b>400</b>
15:15-15:30	OS 212	Efficacy of Various Insecticides on Safflower fly, <i>Acanthophilushelianthi</i> Rossi (Diptera: Tephritidae) in Kohgiluyeh and Boyerahmad Province (Iran) <b>Karim Saeidi (Iran)</b>	<b>401</b>
15:30-15:45	OS 213	Evaluation of two pesticides on stable population growth parameters of <i>Hipodamia variegata</i> (Goez)(Col:coccinellidae) <b>N. Alimohammadi (Iran)</b>	<b>402</b>
15:45-16:00	OS 214	Expression of glutathione-S-transferase enzyme activity on Nang Noi Thai silkworm race, <i>Bombyx mori</i> L.against the crude extracts of Thai neem seed <b>Ajin Phairiron (Thailand)</b>	<b>403</b>
16:00-16:15		<b>COFFEE BREAK</b>	
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16:30-16:45	OS 216	Insecticidal effects of two plants extracts on <i>Callosobruchus maculatus</i> (Coleoptera: Bruchidae) <b>Goldasteh (Iran)</b>	<b>405</b>
16:45-17:00	OS 217	Application of solid-phase micro-extraction (SPME)for determination residue of Diazinon in rice and compared with SPE method <b>Lena Emamjomeh (Iran)</b>	<b>406</b>

17:00-17:15	OS 218	Efficacy of certain new insecticides against <i>Lipaphis erysimi</i> (Kalt.) and their relative toxicity against predatory coccinellid beetle <b>Anjumoni Deveci (India)</b>	<b>407</b>
17:15-17:30	OS 219	Bioefficacy of Ampligo 150 zc (chlorantraniliprole+lambda cyhalothrin) against cotton thrips <i>Thrips tabaci</i> Linde. (Thripidae : Thysanoptera) <b>Ayyasamy Regupathy (India)</b>	<b>408</b>

## SESSION VIII- NEUROBIOLOGY AND TOXICOLOGY

### POSTER PRESENTATION

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PS 182	Repellent activity of <i>Satureja hortensis</i> (Lamiaceae) essential oil on three stored-product insect species <b>Izadi Hamzeh (Iran)</b>	<b>410</b>
PS 183	Insecticide Treated Nets and Cutaneous Leishmaniasis <b>M. Neghab (Iran)</b>	<b>411</b>
PS 184	Investigation on effect of some insecticides on adults of <i>Bemisia tabaci</i> (Biotyp B) under control conditions <b>S. Esmaily (Iran)</b>	<b>412</b>
PS 185	The effects of sub lethal dose of insecticide (primicarb) on <i>Aphis pomi</i> (HOM; APHIDIDAE) and the consequences after <i>Coccinellaseptempunctata</i> (COL: coccinellidae) feeds on poisoned aphids <b>Sadeghi Maryam (Iran)</b>	<b>413</b>
PS 186	Effects of Acrolein on germination, vigor criteria, included of T50 (time needed for the germination of 50 percent of seeds), GR (germination rate), plumule and radicle length, and the weight of wheat plant in both wet and dry state. <b>GhaneJahromi, M (Iran)</b>	<b>414</b>
PS 187	Effects of Pyriproxyfen and Chlorfluazuron on longevity and morphology of pistachio white leaf borer, <i>Ocneria terebinthina</i> Stgr, larvae <b>H. Izadi (Iran)</b>	<b>415</b>
PS 188	Effects of Pyriproxyfen and Chlorfluazuron on some physiological aspects of pistachio white leaf borer, <i>Ocneria terebinthina</i> Stgr, larvae <b>H. Izadi (Iran)</b>	<b>416</b>
PS 189	Comparison of mortality effect of <i>Ferula gumosa</i> (Boiss) and <i>Datura stramonium</i> extracts with imidacloprid on <i>Agonoscena pistaciae</i> Burckhardt and Lauterer under laboratory conditions <b>M. Rouhani (Iran)</b>	<b>417</b>
PS 190	Effect of imidacloprid and thiamethoxam and salinity on <i>Agonoscena pistaciae</i> Burckhardt and Lauterer in pistachio orchards <b>M. Rouhani (Iran)</b>	<b>418</b>
PS 191	Study on the effect of two pesticides on functional response of <i>Hippodamia variegata</i> at different densities of <i>Agonoscena pistaciae</i> Burckhardt and Lauterer <b>N. Alimohammadi (Iran)</b>	<b>419</b>
PS 192	Having Study the effect of sublethal doses of fenitrothion and deltamethrin insecticides on immune system (Phenoloxidase enzyme activities) of Sunn pest <b>Somayeh haghani (Iran)</b>	<b>420</b>
PS 193	The effect of sublethal doses of fenitrothion insecticide on the activity of Acetylcholinesterase enzyme of Sunn pest <i>Eurygaster integriceps</i> Put. (Hemiptera: Scutelleridae) <b>Somayeh haghani (Iran)</b>	<b>421</b>
PS 194	Efficacy of extract from <i>Hypericum perforatum</i> L. on feeding indices of <i>Plutella xylostella</i> (Lep., Plutellidae)	<b>422</b>

	<b>A. Askarianzadeh (Iran)</b>	
PS 195	The study of effect of several insecticides in the control of beet moth, <i>Scrobipalpa ocellatella</i> Boyd. (Lep., Gelechiidae) in Khorasan province of Iran. <b>A. Askarianzadeh (Iran)</b>	<b>423</b>
PS 196	Electrophysiological and behavioural activity of selected cadaveric volatile molecules in <i>Nasonia vitripennis</i> Walker (Hymenoptera: Pteromalidae) <b>Pascal D Leroy (Belgium)</b>	<b>424</b>
PS 197	Toxicity of Neem and Pyriproxyfen against the <i>Agonoscena pistaciae</i> (Burckhardt and Lauterer) under laboratory conditions <b>R. Sadeghi (Iran)</b>	<b>425</b>
PS 198	Fumigant toxicity of essential oils from <i>Laurus nobilis</i> (L.) and <i>Myrtus communis</i> (L.) against <i>Ephesia kuehniella</i> (Zeller) <b>T. Salehi (Iran)</b>	<b>426</b>
PS 199	Fumigant toxicity of the galbanum, <i>Ferula gummosa</i> Boiss (Apiaceae) essential oil against adults of <i>Ephesia kuehniella</i> Zeller (Lep.: Pyralidae) <b>A. Seyedi (Iran)</b>	<b>427</b>
PS 200	Application of Solid-Phase Micro-Extraction (SPME) for Determination Residue of Fenitrothion on Wheat and Compared with Solid Phase Extraction (SPE). <b>Sohrab Imani (Iran)</b>	<b>428</b>
PS 201	A comparison between insecticidal efficacy of a novel pellet formulation and an obsolete one, Phostoxin <b>Iman sharifian (Iran)</b>	<b>429</b>
PS 202	Insecticidal efficacy of novel pellet formulation based on Eucalyptol <sup>®</sup> and Poly(Vinyl Alcohol) in wheat <b>Iman sharifian (Iran)</b>	<b>430</b>
PS 203	Fumigant toxicity evaluation of essential oil of <i>Artemisia herba-alba</i> against three stored products insects <b>Iman Sharifian (Iran)</b>	<b>431</b>
PS 204	Determination of Diazinon and Fenpropathrin Post Harvest Period (PHP) on vegetables in Tehran, Iran. <b>Jahanbin,S. (Iran)</b>	<b>432</b>
PS 205	Determining Diazinon residues on vegetables in Tehran Iran <b>Imani S. (Iran)</b>	<b>433</b>
PS 206	Determination of Diazinon and Fenitrothion residue on stored rice in Tehran Iran. <b>Pejman, A. (Iran)</b>	<b>434</b>
PS 207	Efficacy of chlorpyrifos and diazinon against <i>Tribolium confusum</i> Jacquelin du Val. (Col.; Tenebrionidae) under laboratory conditions <b>Hossein Moradian (Iran)</b>	<b>435</b>
PS 208	Synergistic effect of Diethyl maleate on insecticidal properties of citrus peel essential oil in the control of three stored product pest adults in laboratory conditions <b>Ramin Tandorost (Iran)</b>	<b>436</b>

8<sup>th</sup> March, 2011

CONFERENCE HALL 2

TECHNICAL SESSION VI-MEDICAL AND VETERINARY ENTOMOLOGY (II)

ORAL PRESENTATION

10:30-10:45	OS 220	The role of cockroaches in transmission of bacterial agents in human dwellings. <b>F. firoozfar (Iran)</b>	<b>437</b>
10:45-11:00	OS 221	The prevalence of ectoparasites on small ruminants at EL Khoms region – Libya - <b>Mohamed M. A. Elsaid (Libya)</b>	<b>438</b>

11:00-11:15	OS 222	Identification of vectors of West Nile virus in southern France <b>Balenghien T (France)</b>	<b>439</b>
11:15-11:30	OS 223	The genus <i>Culicoides</i> , biting midge vectors of Orbiviruses, in the Palaearctic region: a comprehensive review of the taxonomy, distribution, dynamics and bionomics in relation to their implications with arboviral transmission <b>Claire Garros (France)</b>	<b>440</b>
11:30-11:45	OS 224	Distribution and Habitats of <i>Aedes aegypti</i> and <i>Aedes albopictus</i> Larvae in Penang Island, Northern Peninsular Malaysia. <b>Nur Aida Hashim (Malaysia)</b>	<b>441</b>
11:45-12:00	OS 225	The use of entomopathogenic fungi for the control of the Dengue vector <i>Aedes aegypti</i> (Diptera: Culicidae) <b>Richard Ian Samuels (Brazil)</b>	<b>442</b>
12:00-12:15	OS 226	Dry season breeding <i>Anopheles gambiae</i> ss in Sudan Savanna vegetation zone of Kano State Nigeria <b>Tukur, Z (Zaria)</b>	<b>443</b>
12:15-12:30	OS 227	Isolation and identification of densovirus of <i>An. stephensi</i> collected from Sistan and Baluchistan province of Iran and evaluation its potency as a paratransgenic tool <b>Fatemehzahra Doroudian (Iran)</b>	<b>444</b>
12:30-13:30		<b>LUNCH</b>	
13:30-13:45	OS 228	Isolation and identification of pathogenic bacteria on <i>Periplaneta americana</i> L. (Dictyoptera: Blattellidae) body surface in Valiasr Hospital Khoramshahr, Iran. <b>Hamid Kassiri (Iran)</b>	<b>445</b>
13:45-14:00	OS 229	Campus – Based Vector Surveillance Against Dengue Infestation <b>Grace L. Patricio (Philippines)</b>	<b>446</b>
14:00-14:15	OS 230	Molecular and phylogenetic affiliations of <i>Wolbachia</i> Infection in Indian Populations of <i>Mansonia uniformis</i> <b>Ravikumar, H (India)</b>	<b>447</b>
14:15-14:30	OS 231	Effect of drying methods and location on Nutritional composition of African metallic wood boring beetle, <i>Sternocera orissa</i> in South Africa (Coleoptera: Buprestidae) <b>Maboko S. Mphosi (South Africa)</b>	<b>448</b>
14:30-14:45	OS 232	Diversity of gut microflora in indigenous multivoltine races of mulberry silkworm, <i>Bombyx mori</i> <b>Thangamalar, A., (India)</b>	<b>449</b>

## TECHNICAL SESSION VI-MEDICAL AND VETERINARY ENTOMOLOGY (II)

### POSTER PRESENTATION

TIME:17:30-18:30 Hours

PS 209	Localization of gut microflora in different stages of tasar silkworm, <i>Antheraea mylitta</i> <b>Thangamalar, A. (India)</b>	<b>450</b>
PS 210	Edible insect biodiversity of Afrotropical countries <b>Séverin Tchibozo (Africa)</b>	<b>451</b>

## TECHNICAL SESSION IX- INTEGRATED PEST MANAGEMENT AND BIOCONTROL (I)

## ORAL PRESENTATION

10:30-10:45	OS 233	Ecological and biocontrol studies on the red palm weevil <i>Rhynchophorus ferrugineus</i> ; the main insect pest of date palm trees in the Arabian Gulf Region <b>Hegazy .G. (Iran)</b>	452
10:45-11:00	OS 234	Hunting spiders as biological control agents of wheat pests <b>Hafiz Muhammad Tahir (Iran)</b>	453
11:00-11:15	OS 235	Field conservation of <i>Aenasius bambawalei</i> Hayat (Hymenoptera: Encyrtidae) and indigenous predators for management of cotton mealybug <i>Phenacoccus solenopsis</i> Tinsley (Hemiptera: Pseudococcidae) <b>G. S. Solangi (Pakistan)</b>	454
11:15-11:30	OS 236	Repellency of <i>Thymus kotschyanus</i> and <i>Mentha longifolia</i> on <i>Callosobruchus maculatus</i> (F.) <b>Akrami, H. (Iran)</b>	455
11:30-11:45	OS 237	Some Aspects Of Biology And Control Methods Of Fruit Stalk Borer <i>Oryctes Elegans</i> Prell. (Coleoptera : Scarabaeidae) <b>Mohammed Zaidan Khalaf (Iraq)</b>	456
11:45-12:00	OS 238	Biology and host preference of <i>Bruchidius fulvus</i> (Col: Bruchidae), a biological control agent for Camelthorn ( <i>Alhagi camelorum</i> ) in Iran <b>Aboozar Esmaili (Iran)</b>	457
12:00-12:15	OS 239	Life history parameters of <i>Hippodamia variegata</i> feeding on aphids <i>Aphis gossypii</i> and <i>Acyrtosiphon pisum</i> . <b>Emad Mohajeri parizi (Iran)</b>	458
12:15-12:30	OS 240	A report of <i>Leptus</i> sp. (Acari: Erythraeidae) as ectoparasite of <i>Cassida persica</i> Spaeth (Coleoptera: Chrysomelidae) <b>Hossein Moradian (Iran)</b>	459
12:30-13:30	<b>LUNCH</b>		
13:30-13:45	OS 241	Percent parasitism and seasonal abundance of parasitoids of <i>Bemisia tabaci</i> (Hom: Aleyrodidae) in cucumber <b>Nooshin Zandi-Sohani (Iran)</b>	460
13:45-14:00	OS 242	Diversity of insect parasitoids and predators of the bagworm, <i>Pteroma pendula</i> (Lepidoptera: Psychidae) in relation to the environment, within an oil palm plantation in Perak, Malaysia <b>Norman Kamarudin (Malaysia)</b>	461
14:00-14:15	OS 243	Investigations and evaluations of aggregation pheromones lure of grain chinch bug, <i>Macchiademus diplopterus</i> (distant) (heteroptera: lygaeidae) <b>Olabimpe Okosun (South Africa)</b>	462
14:15-14:30	OS 244	Natural enemies of <i>Eulecanium tiliae</i> (Linnaeus, 1758) (Hemiptera: Coccidae) on <i>Prunus</i> spp in Western part of Iran <b>Jalilvand, K. (Iran)</b>	463
14:30-14:45	OS 245	Predatory mite olfactory response to rose plants occupied by spider mites and western flowers thrips <b>Bahador Maleknia (Iran)</b>	464
14:45-15:00	OS 246	Ovicidal effect of essential oil vapors of <i>Mentha pulegium</i> L. (Labiata) and <i>Thuja orientalis</i> L. (Cupressaceae) plants against two-spotted spider mite, <i>Tetranychus urticae</i> Koch (Acari: Tetranychidae) <b>Fatemeh Mozaffari (Iran)</b>	465
15:00-15:15	OS 247	Insecticidal Activity and Chemical Composition of Extracts Derived from <i>Annona squamosa</i> Linn. (Annonaceae) against Three Insect	466

15:15-15:30	OS 248	Species <b>Gamal Elsayed Abo-Elghar (Egypt)</b> Biological control of adult stage of <i>Argas persicus</i> by entomopathogenic fungi <i>Metarhizium anisopliae</i> isolates under laboratory condition. <b>khodadad Pirali Kheirabadi (Iran)</b>	<b>467</b>
15:30-15:45	OS 249	Impacts of two conventional insecticides on different stages of <i>Encarsia inaron</i> Walker parasitizing the whitefly <i>Trialeurodes vaporariorum</i> Westwood under greenhouse conditions <b>Hosseini, S.A. (Iran)</b>	<b>468</b>
15:45-16:00	OS 250	Evaluation of insecticidal potentialities of aqueous extracts from <i>Calotropis procera</i> Ait. against <i>Henosepilachna elaterii</i> Rossi <b>Umsalama A. M. Ahmed (Sudan)</b>	<b>469</b>
16:00-16:15		<b>COFFEE BREAK</b>	
16:15-16:30	OS 251	Application of nuclear technique for practical controlling of <i>Etomyelois ceratoniae</i> zell (Lepidoptera: Pyralidae) <b>Zolfaghari, H.R (Iran)</b>	<b>470</b>
16:30-16:45	OS 252	Study on susceptibility of <i>Bemisia tabaci</i> (Genn.) (Biotype A) to <i>Caotropis procera</i> and <i>Fumaria parviflora</i> plant extracts in control conditions. <b>F. Jafarbeigi (Iran)</b>	<b>471</b>
16:45-17:00	OS 253	Synergistic relations between sub-lethal doses of <i>Bacillus thuringiensis</i> and <i>Campoletis chloridae</i> in managing <i>Helicoverpa armigera</i> <b>Shahid S., Siddique (India)</b>	<b>472</b>
17:00-17:15	OS 254	Evaluation of three species of <i>Trichogramma</i> for controlling the diamondback moth, <i>Plutella xylostella</i> (L.) (Lep., Plutellidae) in laboratory conditions <b>F. Akbari (Iran)</b>	<b>473</b>

## SESSION IX- INTEGRATED PEST MANAGEMENT AND BIOCONTROL

### POSTER PRESENTATION

TIME: 17:30-18:30 Hours

PS 211	Biological control of adult stage of <i>Ixodes ricinus</i> by entomopathogenic fungi <i>Metarhizium anisopliae</i> isolates under laboratory condition. <b>Khodadad Pirali Kheirabadi (Iran)</b>	<b>474</b>
PS 212	The effect of nutrition elements and pesticide on the concentration of common pistachio psylla, <i>Agonoscena pistaciae</i> Burckhardt and Lauterer in pistachio orchards <b>M. Rouhani (Iran)</b>	<b>475</b>
PS 213	Functional response of the common green lacewing <i>Chrysoperla carnea</i> (Stephen) at different densities of potato leafhopper <i>Empoasca decipiens</i> (Paoli). <b>E. Mohammadi (Iran)</b>	<b>476</b>
PS 214	Investigation on effect of Neem and Eucalyptus extracts on mortality of <i>Bemisia tabaci</i> (Genn.) (Biotype A) adults under control conditions <b>F. Jafarbeigi (Iran)</b>	<b>477</b>
PS 215	Functional response of <i>Hippodamia variegata</i> (Goeze), to different densities of <i>Aphis nerii</i> , under laboratory conditions. <b>M. A. Samih (Iran)</b>	<b>478</b>
PS 216	A modified adult fly trap for larval and adult sampling <b>K. Akbarzadeh (Iran)</b>	<b>479</b>
PS 217	The effect of Iranian isolates of Entomopathogenic fungus, <i>Metarhizium anisopliae</i> on the western flower thrips <i>Frankliniella occidentalis</i> (Thysan., Thripidae) under laboratory conditions - <b>Nazanin Koupi (Iran)</b>	<b>480</b>

PS 218	Insecticidal efficacy of acetamiprid, hexaflumuron and <i>Calotropis procera</i> extract on <i>Agonoscena pistaciae</i> Burckhardt and Lauterer under Laboratory Conditions <b>Z. Shabani (Iran)</b>	481
PS 219	Efficiency of conversion index (ECI) in male and female <i>Hippodamia variegata</i> (Col.: Coccinellidae) <b>Mahsa Aldaghi (Iran)</b>	482
PS 220	Microorganisms from aphids attract hoverflies and enhance their efficacy <b>Pascal D. Leroy (Belgium)</b>	483
PS 221	Involvement of odorant cues in the process of superparasitism avoidance <b>Pascal D. Leroy (Belgium)</b>	484
PS 222	Ant-aphid mutualism: impact of aphid semiochemicals on the foraging behaviour of ants <b>Pascal D. Leroy (Belgium)</b>	485
PS 223	Development and optimisation of formulations incorporating essential oil components as biological control devices against aphids <b>Pascal D. Leroy (Belgium)</b>	486
PS 224	Changes in tomato transcriptome in relation to <i>Mi-1</i> -mediated resistance to whitefly <i>Bemisia tabaci</i> . <b>G. Nombela (Spain)</b>	487
PS 225	Host Plant Dependent Prey Suitability of Predatory Ladybird <i>Menochilus sexmaculatus</i> Fab. (Coleoptera: Coccinellidae) <b>Wigunda Rattanapun (Thailand)</b>	488
PS226	Introducing some predatory stigmatid mites from Iran <b>Mohammad Khanjani (Iran)</b>	489
PS 227	Bionomics of the important Olive psyllid parasitoid, <i>Psyllaephagus zdeneki</i> (Hymenoptera: Encyrtidae) in Iran <b>Rahil Asadi (Iran)</b>	490
PS 228	Effect of eighteen plant essential oils on inhibitory of egg releasing and ovicide on <i>Plodia interpunctella</i> Hübner (Lep.: Pyralidae) <b>Zahra Rafiei-Karahroudi (Iran)</b>	491
PS 229	Effectiveness Of Mixed Extracts Of Neem, Citronella And Clove As Botanical Insecticide <b>Agus Ismanto (Indonesia)</b>	492
PS 230	Functional response of <i>Trichogramma brassicae</i> to different densities of, <i>Holcocerus tancerei</i> Pungeler (Lep.: Cossidae) under laboratory conditions. <b>G. Gharekhany (Iran)</b>	493
PS 231	Investigation on biology of predatory mite <i>Amblyseius swirskii</i> (Athias-Heniot) (Acari:Phytoseiidae) feeding on three different food under laboratory conditions <b>Maryam Rezaie (Iran)</b>	494
PS 232	The Relationship between population density of <i>Pulvinaria floccifera</i> (Westwood) (Homoptera: Coccidae) and the rate of mortality due to fungi <i>Lecanicillium</i> sp. in the plain and hilly tea gardens of Iran <b>Sakineh Naiemamini (Iran)</b>	495
PS 233	Insecticide effect of <i>Rubia tinctorum</i> L. And <i>Lawsonia Inermis</i> against <i>Rhopalosiphum padi</i> L. <b>S. Rastegari (Iran)</b>	496
PS 234	Sublethal effects of carbaryl and abamectin on life table parameters of the larval parasitoid <i>Habrobracon hebetor</i> Say (Hymenoptera: Braconidae) <b>Vahid Mahdavi (Iran)</b>	497
PS 235	Integrated effect of agricultural practices and release of the biocontrol agent, <i>Phytomyza orobanchia</i> Kalt. (Diptera: Agromyzidae) on reduction of <i>Orobanche crenata</i> seed yield. <b>M.A.S. Al- Eryan (Egypt)</b>	498
PS 236	Integrated pest management of <i>Thrips tabaci</i> (L.) by induced resistance through alteration of host nutrition in onion <b>S.Vinoth Kumar (India)</b>	499

PS 237	Biology of <i>Microctonus aethiopoides</i> (Hym.; Braconidae) parasitoid of leaf and root alfalfa weevil in Qazvin, Iran <b>Arbab, A. (Iran)</b>	<b>500</b>
PS 238	Application of Iranian isolates of <i>Metarhizium anisoliae</i> for control of the sunn pest, <i>Eurygaster integriceps</i> <b>Neda Sedighi (Iran)</b>	<b>501</b>
PS 239	Life history of Indian meal moth, <i>Plodia interpunctella</i> (Hubner) in laboratory <b>Shahzad Iranipour (Iran)</b>	<b>502</b>
PS 240	Efficacy of Diatomaceous earth formulations admixed with Spinosad pesticide for control of confused flour beetle, <i>Tribolium Confusum</i> (Col.: Tenebrionidae) <b>Farahnaz-Sadat Golestan-Hashemi (Iran)</b>	<b>503</b>
PS 241	An Evaluation of the confused flour beetle's susceptibility, exposition to Spinosad biological insecticide <b>Farahnaz-Sadat Golestan-Hashemi (Iran)</b>	<b>504</b>
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PS 243	Effect of Physicochemical Properties of Pearl millet Seeds on Infestation of <i>Tribolium castaneum</i> during Storage <b>S. Sundareswaran (India)</b>	<b>506</b>
PS 244	Effect of oil formulations in increasing infectivity of <i>Metarhizium anisopliae</i> against the sunn pest, <i>Eurygaster integriceps</i> <b>Neda Sedighi (Iran)</b>	<b>507</b>
PS 245	Population dynamics of <i>Cassida palaestina</i> Reiche (Col., Chrysomelidae) larvae and adults on <i>Centaurea behen</i> L. (Asteraceae) in Gachsaran region, Iran <b>Hossein Moradian (Iran)</b>	<b>508</b>
PS 246	Effects of cold storage on survival, predation and reproduction of overwintering <i>Harmonia axyridis</i> (Pall) <b>Chang-Chun Ruan (China)</b>	<b>509</b>
PS 247	Mating and host density affect host feeding and parasitism in two species of whitefly parasitoids <b>Lian-Sheng Zang (China)</b>	<b>510</b>
PS 248	Bio efficacy of Fusion gene <i>cryIAc-IAb</i> against <i>Spodoptera litura</i> Fabricius <b>S.V.Krishnamoorthy (India)</b>	<b>511</b>
PS 249	Flight pattern of apple clearwing moth ( <i>Synathedon myopaeformis</i> , Borkhausen) in traps baited with pear ester-based lures or sex pheromone lures in Hungary <b>Hari, K. (Hungary)</b>	<b>512</b>
PS 250	Flight pattern of codling moth (Lepidoptera: Tortricidae) in traps baited with pear ester plus acetic acid or sex pheromone lures in Hungary <b>Hari, K. (Hungary)</b>	<b>513</b>
PS 251	Environmentally friendly control of fruit moths in apricot orchards in Hungary <b>Hari, K. (Hungary)</b>	<b>514</b>
PS 252	Evaluation of virulent isolates of <i>Helicoverpa armigera</i> Nuclear Polyhedrosis Virus (HaNPV) against <i>H. armigera</i> (Hubner) in different crops <b>D. N. Kambrekar (India)</b>	<b>515</b>
PS 253	Efficacy Of Some Geographical Isolates Of Entomopathogenic Nematodes Against <i>Leptinotarsa decemlineata</i> (Say) (Col.: Chrysomelidae) <b>Naser EIVAZIAN KARY (Iran)</b>	<b>516</b>
PS 254	Susceptibility of egg and adult stages of <i>phthorimaema operculella</i> (Zeller) (Lep.: Gelechiidae) to deltamethrin under laboratory conditions <b>Hooshang Rafiee -Dastjerdi (Iran)</b>	<b>517</b>
PS 255	Impact of climate change of natural enemies <b>S.Nandini (India)</b>	<b>518</b>

PS 256	Exploring Biological control options for management of <i>Spodoptera litura</i> on Cabbage <b>Mohd Albasha (India)</b>	<b>519</b>
PS 257	Temperature-dependent Development Model of <i>Myzus persicae</i> (Homoptera: Aphididae) and Occurrence in Pepper Plastic house <b>Do-Ik Kim</b>	<b>520</b>
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**8<sup>th</sup> March, 2011**

**CONFERENCE HALL 4**

**TECHNICAL SESSION X- INSECT GENETICS**

**ORAL PRESENTATION**

10:30-10:45	OS 255	Utilization of stability analysis and evaluation index in the silkworm biodiversity <b>E. Talebi (Iran)</b>	<b>522</b>
10:45-11:00	OS 256	Costs and benefits of thermal acclimation for codling moth, <i>Cydia pomonella</i> (Lepidoptera: Tortricidae): implications for pest control and the sterile insect release programme <b>Chidawanyika Frank (South Africa)</b>	<b>523</b>
11:00-11:15	OS 257	Diversity of entomopathogenic nematodes in tamilnadu, india. <b>C. Vani (India)</b>	<b>524</b>
11:15-11:30	OS 258	<i>Phlebotomus perfiliewi transcaucasicus</i> , a Vector of <i>Leishmania infantum</i> in Northwestern Iran <b>Rassi Y (Iran)</b>	<b>525</b>
11:30-11:45	OS 259	Genetic divergence in indian tropical bivoltine silkworm, <i>Bombyx mori l.</i> <b>S. G. Rayar (India)</b>	<b>526</b>
11:45-12:00	OS 260	A novel approach in the control of common cotton pest, <i>Helicoverpa armigera</i> by entomopathogenic nematodes with its molecular characterization <b>C. Vani (India)</b>	<b>527</b>
12:00-12:15	OS 261	Comparative study of normal agarose and Top Vision agarose for genetic diversity studies of silkworm, <i>Bombyx mori</i> with ISSR marker <b>Rouhollah Radjabi (Iran)</b>	<b>528</b>
12:15-12:30	OS 262	Gene flow among <i>Thaumatotibia leucotreta</i> (Meyrick) (Lepidoptera: Tortricidae) geographic and host populations in the South Western Cape deciduous fruit orchards, South Africa <b>Nyembezi Mgocheki (South Africa)</b>	<b>529</b>
12:30-13:30		<b>LUNCH</b>	
13:30-13:45	OS 263	Molecular Detection of <i>Leishmania major</i> in the Vectors of Cutaneous Leishmaniasis in Chabahar County , Sistan – Baluchistan Province , Southeast of Iran <b>Hamid Kassiri (Iran)</b>	<b>530</b>
13:45-14:00	OS 264	Type IV glandular trichomes and resistance to small arthropods in an interspecific cross of <i>Lycopersicon esculentum</i> × <i>L. pennellii</i> ‘LA2580’ <b>Zarir Saeidi (Iran)</b>	<b>531</b>
14:00-14:15	OS 265	Karyotype of surface grasshopper, <i>Chrotogonus trachypterus</i> Blanchard (Orthoptera : Acrididae) <b>Shashi Meena (India)</b>	<b>532</b>
14:15-14:30	OS 266	Gene flow and population differentiation among <i>Cydia pomonella</i> populations in China - <b>CHEN Maohua (China)</b>	<b>533</b>

14:30-14:45	OS 267	Characterization and comparative sequence analyzes of GABA receptor gene in malaria mosquito, <i>Anopheles maculipennis</i> <b>Navid Dinparast Djadid (Iran)</b>	<b>534</b>
14:45-15:00	OS 268	Analysis of Y autosome translocation in the genetic sexing strain (gss) of <i>Bactrocera cucurbitae</i> coquillett (diptera: tephritidae) <b>Farzana Yesmin (Malaysia)</b>	<b>535</b>
15:00-15:15	OS 269	Morphometrics and molecular characterization of new isolate of entomopathogenic nematode, heterorhabditis bacteriophora poinar 1976 (nematoda, rhabditida) from the north of iran <b>Naser Eivazian Kary (Iran)</b>	<b>536</b>
15:15-15:30	OS 270	Study of genetic diversity among Neuroptera: two genera of Chrysopidae using RAPD markers. <b>Alinaghi Mirmoayedi (Iran)</b>	<b>537</b>
15:30-15:45	OS 271	Micronuclei formation induced by gamma radiation and <i>Perovskia atriplicifolia</i> essential oil on ovaries of <i>Tribolium castaneum</i> <b>Ahmadi, M.</b>	<b>538</b>

## SESSION X- INSECT GENETICS

### POSTER PRESENTATION

TIME: 17:30-18:30 Hours

PS 259	Genetic structure and queen-worker conflict over sex ratio in bumblebees <b>M.N. Inoue (Japan)</b>	<b>539</b>
PS 260	A Molecular Tool for Dust Mite Identification <b>Nat Malainual (Thailand)</b>	<b>540</b>
PS 261	Molecular Identification of Calliphorid larvae (Diptera: Calliphoridae) by COI & COII gene in Iran <b>L Tajeddin (Iran)</b>	<b>541</b>
PS 262	Molecular and morphological investigations on the <i>Nomada alboguttata</i> species complex (Apiformes). <b>Manuela Sann (Germany)</b>	<b>542</b>
PS 263	A study on straight and reciprocal crossing in F <sub>1</sub> hybrids using bivoltine and multivoltine silkworm races <b>E. Abolfathi (Iran)</b>	<b>543</b>

8<sup>th</sup> March, 2011

CONFERENCE HALL 5

## TECHNICAL SESSION VII- PHYSIOLOGY, BIOCHEMISTRY AND DEVELOPMENTAL BIOLOGY(II)

### ORAL PRESENTATION

10:30-10:45	OS 272	Impact of alpha-cypermethrin on the physiology of carabid beetle <i>Platynus assimilis</i> <b>I. Kivimägi (Estonia)</b>	<b>544</b>
10:45-11:00	OS 273	Sex Ratio and Mating Duration as Factors Affecting The Performance of Almond Moth <i>Ephestiacautella</i> (Walker) (Lepidoptera:Pyralidae) <b>Alan Soffan (Saudi Arabia)</b>	<b>545</b>
11:00-11:15	OS 274	Induced ultrastructure and biochemical changes in integument of the desert locust, <i>Schistocerca gregaria</i> (Forsk.) as affected by chitin synthesis inhibitor, Teflubenzuron. <b>AL-mokhle (Egypt)</b>	<b>546</b>

11:15-11:30	OS 275	Understanding insect diapause: a metabolomic and lipidomic analysis. <b>B. Johnson (UK)</b>	<b>547</b>
11:30-11:45	OS 276	Investigations on resistance of the codling moth <i>Cydia pomonella</i> (L.) (Lep., Tortricidae) to insecticides in Poland. <b>Damian Gorzka (Poland)</b>	<b>548</b>
11:45-12:00	OS 277	Electronic system designed to Disrupt with mating of vine cicada, <i>Psalmocharias alhageos</i> (Hom.: Cicadidae) <b>Hossein Zamanian (Iran)</b>	<b>549</b>
12:00-12:15	OS 278	Bioassay of Essential Oils on the Female Oriental Fruit Fly, <i>Bactrocera dorsalis</i> (Hendel) (Diptera: Tephritidae) <b>Aliou Diongue (Senegal)</b>	<b>550</b>
12:15-12:30	OS 279	Digestive carbohydrases in the elm leaf beetle, <i>Xanthogaleruca luteola</i> Mull. (Col.: Chrysomelidae) <b>Mohammad Vatanparast (Iran)</b>	<b>551</b>
12:30-13:30		<b>LUNCH</b>	
13:30-13:45	OS 280	Biology Of Predatory Beetle, <i>Hippodamia convergens</i> GUIR, (Coleoptera: Coccinellidae) on <i>Lipaphis erysimi</i> (KALT). <b>Abbasi, Q.D (Pakistan)</b>	<b>552</b>
13:45-14:00	OS 281	Effect of Temperature on Development and Demographic Parameters <sup>oo</sup> of <i>Planococcus citri</i> Risso (Hem., Pseudococcidae) on Croton <b>Shila Goldasteh (Iran)</b>	<b>553</b>
14:00-14:15	OS 282	A comparative study on some digestive hydrolase activities in two scarab beetle: <i>Polyphylla olivieri</i> Laporte, and <i>Polyphylla adspersa</i> Motschulsky (Col.: Scarabaeidae) <b>Seyede Minoos Sajjadian (Iran)</b>	<b>554</b>
14:15-14:30	OS 283	Effects of vertebrate steroid hormone on the red cotton bug, <i>Dysdercus koenigii</i> (Heteroptera: Phyrhocoridae) <b>Snigdha Mohan (India)</b>	<b>555</b>
14:30-14:45	OS 284	The role of food plants in the survival and development of bamboo locust, <i>Choroedocus illustris</i> Walker (Orthoptera: Acrididae) <b>Tariq AHMAD (INDIA)</b>	<b>556</b>
14:45-15:00	OS 285	Biochemical characterization of some digestive carbohydrases from elm leaf beetle, <i>Xanthogaleruca luteola</i> Mull. (Col.: Chrysomelidae) <b>Mahbobeh Sharifi (Iran)</b>	<b>557</b>
15:00-15:15	OS 286	<i>Halictophagus</i> sp. (Strepsiptera: Halictophagidae) emphasized on Larviposition and Free living Triungulins and Adult Male on Mango Leaf Hoppers <sup>1</sup> <b>Khin Nyunt Yee (Myanmar)</b>	<b>558</b>
15:15-15:30	OS 287	An investigation on digestive pectinase activity in the large rose sawfly, <i>Arge rosae</i> Linne (Hymenoptera: Argidae) <b>Vahid Hosseininaveh (Iran)</b>	<b>559</b>
15:30-15:45	OS 288	Biochemical analysis of haemolymph of <i>Achaea janata</i> <b>Kishori Dhumal (India)</b>	<b>560</b>
15:45-16:00	OS 289	A study on midgut digestive carbohydrases in the diamondback moth, <i>Plutella xylostella</i> Linnaeus (Lep.: Plutellidae) <b>Parvin Razavi Tabatabai (Iran)</b>	<b>561</b>
16:00-16:15		<b>COFFEE BREAK</b>	
16:15-16:30	OS 290	Different Bioassay methods influenced biochemical characteristics in cotton aphid exposure to imidacloprid and thiametoxam feeding on different type of plants <b>Shadieh Gerami (Iran)</b>	<b>562</b>
16:30-16:45	OS 291	Effect of protein supplementation on commercial traits of the muga silkworm, <i>Antheraea assama</i> Ww. <b>S. Biswas (India)</b>	<b>563</b>

16:45-17:00	OS 292	Paralysis of an invasive scarab beetle induced by ingestion of a rare neurotoxin from flowers of zonal geranium ( <i>Pelargonium × hortorum</i> ) <b>Christopher M. Ranger (USA)</b>	<b>564</b>
17:00-17:15	OS 293	Effect of ampicilin and rifampicin on the survival of cotton aphid, <i>Aphis gossypii</i> Glover (Hemiptera: Aphididae) <b>Shadih Gerami (Iran)</b>	<b>565</b>
17:15-17:30	OS 294	Effect of Seed Treatment on Insect Infestation on CORH 3 Rice Hybrid and its Parental line Seeds during Storage <b>S. Sundareswaran (India)</b>	<b>566</b>
17:30-17:45	OS 295	Olfactometer assay on the effect of caffeine on rice weevil <b>K.Bhuvanewari (India)</b>	<b>567</b>
17:45-18:00	OS 296	Perimicrovillar membrane (PMM) in digestive system of the Sunn pest, <i>Eurygaster integriceps</i> (Hemiptera: scutelleridae), is not a stable structure <b>Mohammad Mehrabadi (Iran)</b>	<b>568</b>
18:00-18:15	OS 297	The biology and egg laying behavior of <i>Goniozus</i> sp. (Hym.: Bethyridae) parasitoid on <i>Batrachedra amydraula</i> Meyrick (Lep.: Cosmopterygidae) under laboratory condition. <b>E. Sadeghi</b>	<b>569</b>

**TECHNICAL SESSION VII- PHYSIOLOGY, BIOCHEMISTRY AND DEVELOPMENTAL BIOLOGY(II)**

**POSTER PRESENTATION**

PS 264	Distribution of carboxyl esterase (care) activity in different tissues of <i>Eurygaster integriceps</i> and its sensitivity to the organophosphate (op) fenitroxon pesticide <b>Fatemeh Saadati</b>	<b>570</b>
PS 265	Intelligible and augmented influence of dl- $\alpha$ -tocopheryl acetate on lipid peroxidation and antioxidant status in various rat tissues <b>Tariq Ahmad</b>	<b>571</b>
PS 266	Glucosidases in the midgut and salivary glands of the pistachio red seed bug <i>Lygaeus pandurus</i> (Hemiptera: Lygaeidae) <b>Mohammad Vatanparast</b>	<b>572</b>
PS 267	Pectinolytic activity in the alimentary canal of two coleopteran plant shoot pests: <i>Agelastica alni</i> L. (Col.: Chrysomelidae) and <i>Epilachna chrysomelina</i> Fouré (Col.: Coccinellidae) <b>Mohammad Vatanparast</b>	<b>573</b>

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**CONFERENCE HALL 6**

**TECHNICAL SESSION IX- INTEGRATED PEST MANAGEMENT AND BIOCONTROL (II)**

**ORAL PRESENTATION**

10:30-10:45	OS 298	Insecticide effect of some essential oil of medicinal plants on three species of stored product pests <b>Zahra Rafiei-Karahroudi (Iran)</b>	<b>574</b>
10:45-11:00	OS 299	Voracity rate and development period of <i>Coccinella transversalis</i> (fabricius) on three aphid species - <b>Bukero, A (Pakistan)</b>	<b>575</b>
11:00-11:15	OS 300	Sound identification in insects and its use in pest control <b>Maedeh Mehdipour (Iran)</b>	<b>576</b>
11:15-11:30	OS 301	<i>Cheilomenes sexmaculata</i> Fabricius: A potent intraguild predator than <i>Coccinella transversalis</i> Fabricius (Coleoptera: Coccinellidae) <b>Navodita Maurice (India)</b>	<b>577</b>

11:30-11:45	OS 302	Pigeonpea ( <i>Cajanuscajan</i> ) pod infestation and population build up of <i>Melanagromyzaobtusa</i> (malloch) in Allahabad District (U.P.) <b>Priyanka ViniLall</b>	<b>578</b>
11:45-12:00	OS 303	SWOT analysis in entomological perspectives and relevance of IPM practice In Bt transgenic cottons: Experimental bases in South India <b>S.S. Udikeri (India)</b>	<b>579</b>
12:00-12:15	OS 304	Can plant-related factors constrain the effectiveness of biological control agents? <b>Stuart T. Hands (UK)</b>	<b>580</b>
12:15-12:30	OS 305	Trade-off between functional response and residence time in aphid parasitoids. <b>Thierry Hance (Belgium)</b>	<b>581</b>
12:30-13:30		<b>LUNCH</b>	
13:30-13:45	OS 306	The Role of Silicon in Plant Defense against Insect Pests; Challenges, Opportunities and Future Directions <b>Amin Nikpay (Iran)</b>	<b>582</b>
13:45-14:00	OS 307	Ground trails activities of Cocoa Black Ants ( <i>Dolichoderus thoracicus</i> : Smith) with augmentation of artificial ant nests at cocoa-coconut ecosystem <b>Saripah, B (Malaysia)</b>	<b>583</b>
14:00-14:15	OS 308	Insecticidal action of some oils on some stored grained pests <b>Geeta Hebbalkar (India)</b>	<b>584</b>
14:15-14:30	OS 309	Effects of <i>Clerodendron inerme</i> (Linn.) Gaertn. and <i>Lantana camara</i> L. extracts on tea mosquito bug, <i>Helopeltis theivora</i> Waterhouse (Hemiptera: Miridae) <b>M..K. Deka (India)</b>	<b>585</b>
14:30-14:45	OS 310	Host suitability and host-handling times of <i>Eretmocerus hayati</i> on different instars of <i>Bemisia tabaci</i> Biotype B <b>Nian-Wan Yang (China)</b>	<b>586</b>
14:45-15:00	OS 311	Implications of sustainable greenhouse production for pest and disease pressures <b>S. White (UK)</b>	<b>587</b>
15:00-15:15	OS 312	Towards Developing a Push-Pull Management Strategy for Exotic Ambrosia Beetles in Ornamental Nurseries <b>Christopher M. Ranger (USA)</b>	<b>588</b>
15:15-15:30	OS 313	Performance Evaluation of Insect-Proof Screens in Excluding Three Major Pests of Strawberry into the Greenhouse <b>Leila Kiani (Iran)</b>	<b>589</b>
15:30-15:45	OS 314	Compatibility of Predators and Parasitoids for Biological Control of Lepidoptera Defoliators of Eucalypt in Brazil <b>Zanuncio José Cola (Brazil)</b>	<b>590</b>
15:45-16:00	OS 315	Exploration Of Entomopathogenic Fungus, <i>Acremonium zeylanicum</i> IN The Management Of Sugarcane Woolly Aphid ( <i>Ceratovacuna lanigera</i> ) <b>Mallapur, C. P (India)</b>	<b>591</b>
16:00-16:15		<b>COFFEE BREAK</b>	

### TECHNICAL SESSION IX-INTEGRATED PEST MANAGEMENT AND BIOCONTROL (III)

#### CONFERENCE HALL 7

#### ORAL SESSION

10:30-10:45	OS 316	Reevaluation of the value of autoparasitoids in biological control <b>T.-X. Liu (China)</b>	<b>592</b>
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10:45-11:00	OS 317	Using pleometrosis (multiple queens) and pupae transplantation to boost weaver ant ( <i>Oecophylla smaragdina</i> ) colony growth in ant nurseries <b>Joachim Offenberg (Denmark)</b>	<b>593</b>
11:00-11:15	OS 318	Patch conception and patch definition in insect parasitoids <b>Yoram Ayal (Israel)</b>	<b>594</b>
11:15-11:30	OS 319	Mud-puddling by insects: from an entomological curiosity to a novel pest management tactic <b>Jian Liu (China)</b>	<b>595</b>
11:30-11:45	OS 320	Potential of the strain of entomopathogenic fungus <i>Isaria fumosorosea</i> CCM 8367 as a biological control agent against <i>Spodoptera littoralis</i> <b>H. M. Hussein (Czech Republic)</b>	<b>596</b>
11:45-12:00	OS 321	Purification of a new lectin from <i>Penicillium chrysogenum</i> with insecticidal activity <b>Karimi Jaber (Iran)</b>	<b>597</b>
12:00-12:15	OS 322	The biology, lifestyle and controll of raspberry cane midge ( <i>Resseliella theobaldi</i> BARNES) <b>Kitti Sipos (Hungary)</b>	<b>598</b>
12:15-12:30	OS 323	Efficacy of transgenic stacked corn hybrid (MON 89034 x NK603) against stem borer <i>Chilo partellus</i> Swinhoe, cob borer <i>Helicoverpa armigera</i> Hub and non target insects <b>S.V.Krishnamoorthy (India)</b>	<b>599</b>
12:30-13:30		<b>LUNCH</b>	
13:30-13:45	OS 324	Best-bet method for the management of insect pests of urdbean <i>Vigna mungo</i> (L.) Hepper <b>Soundararajan, R.P (India)</b>	<b>600</b>
13:45-14:00	OS 325	Classical biological control for the management of papaya mealybug <b>E. I. Jonathan (India)</b>	<b>601</b>
14:00-14:15	OS 326	Effect of nutrient concentration and pre-infested brinjal, <i>Solanum melongena</i> (by whitefly and aphid) on population dynamic of whitefly, <i>Bemisia tabaci</i> planted under rainshelter <b>Mohd Rasdi, Z (Malaysia)</b>	<b>602</b>
14:15-14:30	OS 327	Synergistic effect of gamma radiation and Rosmarinus officinalis essential oil for control of cowpea weevil, <i>Callosobruchus maculatus</i> <b>Ahmadi, M. (Iran)</b>	<b>603</b>
14:30-14:45	OS 328	Weather Based Forewarning Model for Thrips in Transgenic Cotton <b>P.R. Zanwar (India)</b>	<b>604</b>
14:45-15:00	OS 329	Insecticidal activity of nano capsules of essential oil on <i>Tribolium castaneum</i> (Herbst). <b>Maryam Negahban (Iran)</b>	<b>605</b>
15:00-15:15	OS 330	Development and validation of integrated pest management strategies for bt cotton under rainfed ecosystem <b>Patil, S. B.</b>	<b>606</b>
15:15-15:30	OS 331	Use of broomcorn millet, <i>Panicum miliaceum</i> , for production of granular cultures of the entomopathogenic fungus, <i>Conidiobolus thromboides</i> Drechsler (Entomophthorales) <b>Justin L. Hatting (South Africa)</b>	<b>607</b>
15:30-15:45	OS 332	Intraguild Predation of the heterospecific eggs has a differential effect on the predaceous ladybirds. <b>Ahmad Pervez (India)</b>	<b>608</b>
15:45-16:00	OS 333	Manipulation of the capacity of host-feeding and parasitism in whitefly parasitoids <b>Lian-Sheng Zang</b>	<b>609</b>

16:00-16:15	OS 334	Pheromone isolation from red and confuse flour beetles ( <i>Tribolium confusum</i> and <i>Tribolium castaneum</i> ) in Iran <b>Sepideh J (Iran)</b>	<b>610</b>
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POSTER PRESENTATION

PS 268	Induction of esterase and acetylcholinesterase activity in the <i>Plutella xylostella</i> larvae after treatment with organophosphorus insecticides <b>Fatemeh Saadati</b>	<b>611</b>
PS 269	Use of bee-attractants in increasing crop productivity in Sunflower ( <i>Helianthus annuus</i> L) <b>Anita, M.</b>	<b>612</b>

CLOSING CEREMONY AND DINNER

19.00 hrs.

**9<sup>th</sup> March 2011**

OPTIONAL TOUR (Details available at the Registration desk)