

## Supplementary information

Raffaele Dall'Olio et al. (2020) Global impact of COVID-19 on bee research. *Journal of Apicultural Research*

*Table S1.* Survey structure, questions and answer options. Participants were allowed to skip questions if not relevant to their activity.

Topic	Question ID	Question	Answer Type	Suggested Categories			
Personal Data	1	What is the country where you are working in?	Open				
	2	Your main research role is at:	Select one	University - Government - NGO - Private - Scientific Editor/Publisher/Journalist - other(specify)			
	3	Your role within the organization is	Select one	Owner - Leader / Manager/ Board member - Dean / Director - Teacher / Lecturer – Extension - Researcher - Technician / Lab staff - Student Administration - other(specify)			
	4	Main target insect for your research (latin name preferred):	Open				
	5	Other study species (latin name preferred, list max 3):	Open				
	6	Please flag topic(s) addressed by your research	Multiple choice	Ecology - Biology - Nutrition - Reproductive biology - Breeding - Physiology - Neurophysiology - Social science - Population genetic - Molecular biology - 'Omics - Disease & Pathogens - Virology - Toxicology - Pollination - Behaviour - Insect/Plant interaction - Plant Pest Control - Products - Conservation & biodiversity - other(specify)			
Impact assessment	7	Daily operations	Select one	Not impacting	Slightly impacting	Impacting	Severely impacting
	8	Staff recruitment	Select one	Not impacting	Slightly impacting	Impacting	Severely impacting
	9	Lab work	Select one	Not impacting	Slightly impacting	Impacting	Severely impacting
	10	Field work	Select one	Not impacting	Slightly impacting	Impacting	Severely impacting
	11	Desk work	Select one	Not impacting	Slightly impacting	Impacting	Severely impacting
	12	Coordination / Team work	Select one	Not impacting	Slightly impacting	Impacting	Severely impacting
	13	Training / Teaching	Select one	Not impacting	Slightly impacting	Impacting	Severely impacting
	14	Meetings / Conferen	Select one	Not impacting	Slightly impacting	Impacting	Severely impacting
	15	Sample collection	Select one	Not impacting	Slightly impacting	Impacting	Severely impacting

	16	Sample shipment	Select one	Not impacting	Slightly impacting	Impacting	Severely impacting
	17	Sample storage	Select one	Not impacting	Slightly impacting	Impacting	Severely impacting
	18	Equipment / Consumables (ordering/purchasing)	Select one	Not impacting	Slightly impacting	Impacting	Severely impacting
	19	Equipment / Consumables (shipment/delivery)	Select one	Not impacting	Slightly impacting	Impacting	Severely impacting
	20	Interaction with funding bodies	Select one	Not impacting	Slightly impacting	Impacting	Severely impacting
	21	Student supervision - BSc honour level	Select one	Not impacting	Slightly impacting	Impacting	Severely impacting
	22	Student supervision - MSc level	Select one	Not impacting	Slightly impacting	Impacting	Severely impacting
	23	Student supervision - PhD level	Select one	Not impacting	Slightly impacting	Impacting	Severely impacting
	24	Student financing / bursaries	Select one	Not impacting	Slightly impacting	Impacting	Severely impacting
	26	Post Docs	Select one	Not impacting	Slightly impacting	Impacting	Severely impacting
Mitigation measures assessment	29	What mitigation measures are you currently applying?	Open				
	32	What mitigation measure, currently missing, would be the most important to have in your opinion? (only 1 allowed)	Open				
	33	What would be the proper time delay to apply these mitigation measures?	Select one	Days	Weeks	One month	Sooner or later
Economic assessment	25	Are your funding body(s) extending the funding period due to restriction measures?	Select one	Yes, all of them	Yes, some of them	None	No communication from funding bodies
	30	What are the cost implications of these mitigation measures, if at all (estimate €/week)?	Open				
	31	What are the labour implications of these mitigation measures, if at all (estimate h/week)?	Open				
	35	What are the costs in terms of labour, money, student completion, R&D	Open				

		goals and product development?			
Hedonic descriptors	27	Do you expect any effect on your research outputs for 2020? (if YES, please describe shortly)	Select one	Yes	No
	28	Do you expect any effect of the current situation on your research in 2021? (possibly, describe briefly)	Select one	Yes	No
	34	What, in your opinion, cannot be recovered with any mitigation measure?	Open		
	36	Are there any positive outcome from COVID-19 situation on your research topic/target species/outcome?	Open		

*Table S2.* Country of origin of survey participants and number of participants per country (N). In total, 230 researchers from 56 countries responded.

Country	N	Country	N	Country	N	Country	N
US	54	Argentina	4	Denmark	2	Lithuania	1
UK	14	Australia	4	Greece	2	Malta	1
Spain	10	Croatia	4	Mexico	2	Nepal	1
Canada	9	Poland	4	Romania	2	Northern Ireland	1
France	9	Uruguay	4	South Africa	2	Norway	1
Germany	9	Austria	3	Turkey	2	Paraguay	1
Nigeria	7	Chile	3	Ukraine	2	Perù	1
Switzerland	7	Costa Rica	3	Barbados	1	Portugal	1
Brazil	6	Egypt	3	BiH	1	Saudia Arabia	1
Pakistan	6	Iran	3	Ecuador	1	Slovenia	1
India	5	Ireland	3	Ethiopia	1	Sri Lanka	1
Italy	5	Netherlands	3	Georgia	1	Sweden	1
New Zealand	5	Thailand	3	Kosovo	1	Vietnam	1
Serbia	5	Belgium	2	Israel	1	Zambia	1