

List of C.C. Young's Patents

	Title	year	Approval No. or Filing No.	Project Remark (apply to the nation)
1.	Methodology of humic acid production by steel slag	2004	Patent NO: 200971	NCHU Research project (R.O.C)
2.	Painting technique without brush	2004	Patent NO: 189404	(R.O.C)
3.	Device of recycle application for plant residues	2005	New type Patent NO: M270859	NCHU Research project & EPA (R.O.C)
4.	Continuous device of the production of organic fertilizer	2006	Patent NO: ZL 200610145075.4	(China)
5.	Novel <i>Chryseobacterium formosense</i> and its production	2007	Patent NO: I 287575	NSC & COA (R.O.C)
6.	<i>Rhodococcus erythropolis</i> CC-BC11 bacteria floating on oil and its cultural technology	2007	Patent NO: I 270535	MEA (R.O.C)
7.	<i>Gordonia nitida</i> CC-JG39 bacteria floating on oil and its cultural technology	2007	Patent NO: I 270534	MEA (R.O.C)
8.	Novel <i>Cellulosimicrobium cellulans</i> bacteria and its production	2008	Patent NO: I 294459	NSC & COA (R.O.C)
9.	Primer and the set for identifying <i>Gordonia</i> species	2008	Patent NO: I303664	MEA (R.O.C)
10.	Technology of distinguish organic and chemical fertilizing vegetables	2008	Patent NO: I 293114	COA (R.O.C)
11.	Mixing products of floating bacteria and materials	2008	Patent NO: I 296011	MEA (R.O.C)
12.	Methodology of production in Alginate-HA encapsulation with microorganisms	2009	Patent NO: I317649	NSC (R.O.C)
13.	Primer and the set for identifying <i>Azospirillum</i> species	2009	Patent NO: 406951	MEA (R.O.C)

	Title	year	Approval No. or Filing No.	Project Remark (apply to the nation)
14.	Water extractor	2010	Paten NO: ZL 2007 1 0003232.2	(R.O.C)
15.	Instrument for detection of microbial activity	2010	Paten NO: M389714	(R.O.C)
16.	Methodology of production in organic fertilizer by humic substances	2010	Paten NO: I320404	(R.O.C)
17.	Methodology of production in organic fertilizer by humic substances	2011	Paten NO: P00200600723	(Indonesia)
18.	Methodology of production in organic fertilizer by humic substances	2011	Paten NO: PI20061338	(Malaysia)
19.	Continuous device of the production of organic fertilizer	2011	Paten NO: I 347931	(R.O.C)
20.	Novel Pseudoburkholderia malthae CC-AFH3 and its utilization in oil degradation	2012	Paten NO: I377248	MEA (R.O.C)
21.	Palm oil mill effluent (POME) circulation evaporation treatment reuse system	2012	Paten NO: IDP000036739	NCHU Research project (Indonesia)
22.	Continuous device of the production of organic fertilizer	2013	Paten NO: IDP000034564	(Indonesia)
23.	Novel Agaricicola taiwanwnsis CC-SBABM117 and its production and utilization	2013	Paten NO: I 400219	COA (R.O.C)
24.	Palm oil mill effluent (POME) circulation evaporation treatment reuse system	2013	Paten NO: I391330	NCHU Research project (R.O.C)
25.	<i>Candida ethanolica</i> CC-DH2011 and its production	2013	Paten NO: I405744	(R.O.C)
26.	Continuous device of the production of organic fertilizer	2014	Paten NO: PI 20061339	(Malaysia)
27.	Sequential thermo reactor for production of organic fertilizer	2014	Paten NO: I438039	(R.O.C)

	Title	year	Approval No. or Filing No.	Project Remark (apply to the nation)
28.	Rapid heating equipment for converting organic waste into fertilizer	2014	New type Patent NO: M472056	(R.O.C)

List of C.C. Young's Technology Transfers

	Title	Year	Approval No. or Filing No.	Project Remark (apply to the nation)
1.	Development of technology on multi-functional	2003	Technology Transfer NSC-N-092-00033	NSC project (R.O.C)
2.	<i>Gordonia nitida</i> CC-JG39 bacteria floating on oil and its cultural technology	2004	Technology Transfer 94-005DP	NCHU Research project (R.O.C)
3.	<i>Rhodococcus erythropolis</i> CC-BC11 bacteria floating on oil and its cultural technology	2004	Technology Transfer 94-006DP	NCHU Research project (R.O.C)
4.	Organic decomposer <i>Bacillus megaterium</i> CCY13 and its cultural technology	2005	Technology Transfer 94-007DP	MEA project (R.O.C)
5.	Rhizobia spp. for peanut and its cultural technology	2005	Technology Transfer	COA project (R.O.C)
6.	Technology in multi-functional biofertilizer	2006	Technology Transfer	NSC project (R.O.C)
7.	Technology in oil degradation by microorganisms and molecular monitor system	2007	Technology Transfer 096-001DK	MEA project (R.O.C)
8.	Oil emulsification microorganisms and cultural formulation techniques	2007	Technology Transfer	COA project (R.O.C)
9.	Novel technology system of fast treatment for pig dung to producing organic fertilizer	2007	Technology Transfer	NSC project (R.O.C)

10.	Phosphate solubilizing bacteria and cultural formulation techniques	2007	Technology Transfer	COA project (R.O.C)
11.	Rhodococcus erythropolis-diesel oil degradation and cultural formulation techniques	2007	Technology Transfer	MEA project (R.O.C)
12.	Gordonia nitida-diesel oil degradation and cultural formulation techniques	2007	Technology Transfer	MEA project (R.O.C)
13.	Iron phosphate solubilizing bacteria and cultural formulation techniques	2009	Technology Transfer	COA (R.O.C)
14.	<i>Bacillus</i> spp. consortium in phosphate solubilizing and cultural formulation techniques	2009	Technology Transfer	COA (R.O.C)
15.	Diesel oil degrading <i>Pseudomonas</i> sp. and its cultivation method	2009	Technology Transfer	MEA project (R.O.C)
16.	Innovative technology for the rapid decomposition of organic wastes and production of organic fertilizer	2009	Technology Transfer	NCHU Research project (R.O.C)
17.	Organic wastes decomposing bacteria and their cultivation method	2010	Technology Transfer	COA (R.O.C)
18.	Rapid processing of manure organic waste to produce organic fertilizer	2010	Technology Transfer	MEA project (R.O.C)
19.	Rapid processing of agricultural organic waste to produce organic fertilizer	2010	Technology Transfer	MEA project (R.O.C)
20.	Microbial culture technology for Saline-alkali soil improvement	2010	Technology Transfer	COA (R.O.C)
21.	The cultural formula and technology of phosphate-solubilizing and nitrogen-fixing microorganisms.	2010	Technology Transfer	COA (R.O.C)
22.	The cultural formula and technology of iron phosphate-solubilizing yeast.	2010	Technology Transfer	MEA project (R.O.C)
23.	The cultural formula and technology of multi-function microbial organic fertilizer	2011	Technology Transfer	NSC project (R.O.C)
24.	The cultural formula and technology of multi-function microbial organic fertilizer	2011	Technology Transfer	COA (R.O.C)

25.	The cultural formula and technology of phosphate-solubilizing microorganism and mycorrhizal fungi	2011	Technology Transfer	NCHU Research project (R.O.C)
26.	Fast processing of recycling technology agricultural organic wastes	2012	Technology Transfer	NCHU Research project (R.O.C)
27.	The cultural formula and technology for a patented cellulase producing bacteria	2013	Technology Transfer	NSC project (R.O.C)
28.	Fast processing of recycling technology organic wastes	2013	Technology Transfer	NCHU Research project (R.O.C)
29.	Fast processing of recycling technology agricultural organic wastes 2	2013	Technology Transfer	NCHU Research project (R.O.C)
30.	DEVELOPMENT OF EFFECTIVE BIO-CHEMICAL ORGANIC FERTILIZER FROM EFB COMPOST	2013	Technology Transfer	NCHU Research project (R.O.C)
31.	Rapid processing of organic waste to produce organic fertilizer	2014	Technology Transfer	NCHU Research project (R.O.C)
32.	Rapid processing of agricultural organic waste to produce organic fertilizer	2014	Technology Transfer	NCHU Research project (R.O.C)
33.	<i>Bacillus</i> spp. consortium in phosphate solubilizing and cultural formulation techniques	2014	Technology Transfer	COA (R.O.C)
34.	Rapid processing of agricultural organic waste to produce organic fertilizer	2015	Technology Transfer	NCHU Research project (R.O.C)
35.	Rapid processing of organic waste to produce organic fertilizer	2015	Technology Transfer	NCHU Research project (R.O.C)
36.	The cultural formula and technology of phosphate-solubilizing microorganism and mycorrhizal fungi	2015	Technology Transfer	NCHU Research project (R.O.C)
37.	Rapid processing of organic waste to produce organic fertilizer	2015	Technology Transfer	NCHU Research project (R.O.C)
38.	Organic wastes decomposing bacteria and their cultivation method	2015	Technology Transfer	COA (R.O.C)
39.	Formulation and production technology for nutrient solution and organic fertilizer in liquid	2016	Technology Transfer	NCHU Research project (R.O.C)

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40.	Rapid processing of agricultural organic waste to produce organic fertilizer	2016	Technology Transfer	NCHU Research project (R.O.C)
41.	Rapid processing of organic waste to produce organic fertilizer	2016	Technology Transfer	NCHU Research project (R.O.C)